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

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.

7255 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 nvironment. 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 152D			
API Number: 30-045-34981 30 778 OCD Permit Number:			
U/L or Qtr/Qtr M Section 36 Township 32N Range 6W County: Rio Arriba			
Center of Proposed Design: Latitude 36.93079N Longitude -107.41611W NAD: ☐1927 ☐ 1983			
Surface Owner: Federal State Private Tribal Trust or Indian Allotment			
☑ Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: ☑ Drilling ☑ Workover ☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☑ Lined ☐ Unlined Liner type: Thickness20mil ☑ LLDPE ☐ HDPE ☐ PVC ☐ Other ☑ String-Reinforced Liner Seams: ☑ Welded ☑ Factory ☐ Other Volume:			
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			
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			
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.			

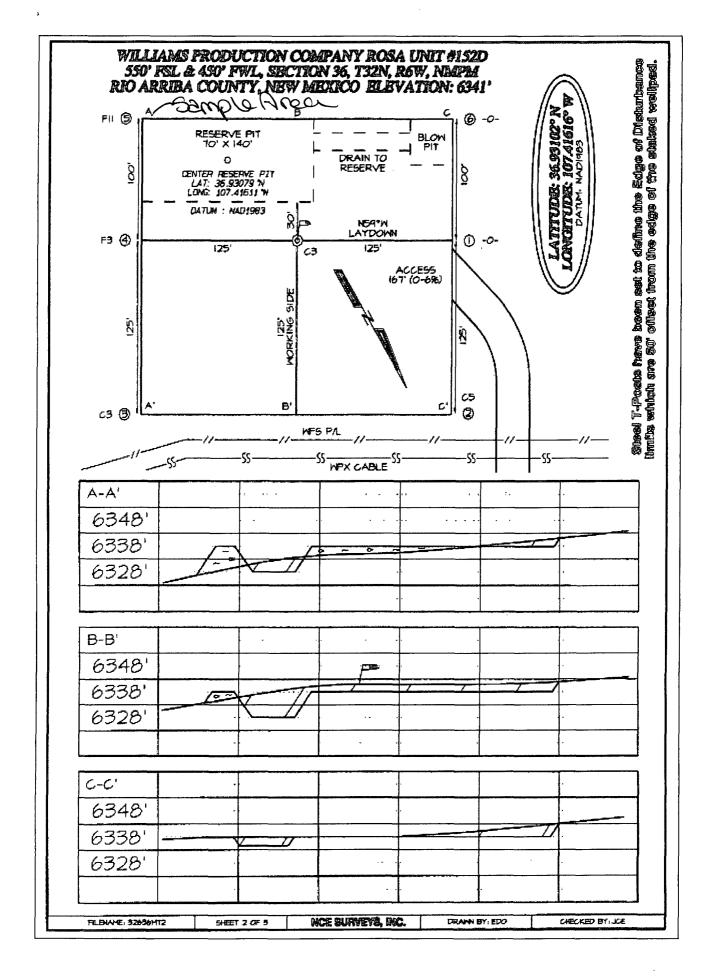
	···	
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)		
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)		
Four foot height, four strands of barbed wire evenly spaced between one and four feet		
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)		
Worthly inspections (if feeting of screening is not physically reasion)		
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:	600	
Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bure consideration of approval.	au office for	
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 ac	ceptable source	
material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the ap office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of	oropriate district f approval.	
Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to above-grade tanks associated with a closed-loop system.	rying pads or	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.	☐ Yes ☑ No	
- 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		
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		
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes☐ No☐ NA	
 (Applies to permanent pits) Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☒ No	
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		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☒ No	
adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality		
Within 500 feet of a wetland.	☐ Yes ⊠ No	
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	1602 110	
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.	☐ Yes ☒ No	
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 		
Within a 100-year floodplain.		

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.			
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:			
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.			
<u>Proposed Closure</u> : 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)			
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 G of 19.15.17.13 NMAC			

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Instructions: Please indentify the facility or facilities for the disposal of liquids 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 of Yes (If yes, please provide the information below) ☐ No		
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	te requirements of Subsection H of 19.15.17.13 NMA n I of 19.15.17.13 NMAC	С
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the provided below. Requests regarding changes to certain siting criteria may required considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	ire administrative approval from the appropriate dist al Bureau office for consideration of approval. Just	rict office or may be
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Da	ta 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; Da	ta 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; Da	ta obtained from nearby wells	⊠ Yes ⊠ No □ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other siglake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	gnificant watercourse or lakebed, sinkhole, or playa	☐ Yes ⊠ No
Within 300 feet from a permanent residence, school, hospital, institution, or churc - Visual inspection (certification) of the proposed site; Aerial photo; Satellit		☐ Yes ⊠ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that lew watering purposes, or within 1000 horizontal feet of any other fresh water well or - NM Office of the State Engineer - iWATERS database; Visual inspection	spring, in existence at the time of initial application.	☐ Yes ⊠ No
Within incorporated municipal boundaries or within a defined municipal fresh wat adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approx		☐ Yes ☒ No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visu	al 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-Minin	g and Mineral Division	☐ Yes ⊠ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geolog Society; Topographic map	y & Mineral Resources; USGS; NM Geological	☐ Yes ⊠ No
Within a 100-year floodplain FEMA map		☐ Yes ⊠ No
18. On Site Classus Plan Checklists (10.15.17.12 NRAC) Instructions. Each of the	Collegion House was be about all all all all all all all all all al	an Diagnativities
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the a Construction/Design Plan of Temporary Pit (for in-place burial of a drying protocols and Procedures - based upon the appropriate requirements of 19.1 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	quirements of 19.15.17.10 NMAC f Subsection F of 19.15.17.13 NMAC ppropriate requirements of 19.15.17.11 NMAC pad) - based upon the appropriate requirements of 19. 5.17.13 NMAC quirements of Subsection F of 19.15.17.13 NMAC Subsection F of 19.15.17.13 NMAC drill cuttings or in case on-site closure standards cann H of 19.15.17.13 NMAC	15.17.11 NMAC

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19.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. Name (Print): Title:
Signature: Date:
e-mail address: Telephone:
20. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature Approval Date: 2/18/11
OCD Representative Signature. Approval Date: 2/18/11 Title: OCD Permit Number:
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:6/14/2010
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 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 <i>will not</i> be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) \sum 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. <u>Closure Report Attachment Checklist</u> : 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 (surface owner and division) Proof of Deed Notice (required for on-site closure)
Note that Note that the property of the prope
 ☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site closure)
Disposal Facility Name and Permit Number
Soil Backfilling and Cover Installation
 ☒ Re-vegetation Application Rates and Seeding Technique ☒ Site Reclamation (Photo Documentation)
On-site Closure Location: Latitude36.93079 Longitude107.41611 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): Vanessa Fields Title: EH&S Coordinator
Signature:
e-mail address:vanessa.fields@williams.com



Williams Production Co., LLC San Juan Basin: New Mexico Assets

Temporary Pit In-place Closure Report Drilling/Completion and Workover (Groundwater >100 feet bgs)

> Well: Rosa Unit # 152D API No: 30-04534981

Location: M-S#36 #-T# 32N#R# 06#W, NMPM

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general in-place closure requirements of temporary pits on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard procedure for all temporary pits to be utilized for the drilling, completion and/or workovers of oil and gas wells operated by WPX. For those temporary pits which do not conform to this standard closure plan, a separate well/pit specific closure plan will be developed and utilized.

All closure activities will include proper documentation and will be submitted to OCD within 60 days of the pit closure on a Closure Report using Division Form C-144. The Report will include the following:

- Details on Capping and Covering, where applicable
- Plot Plan (Pit Diagram)
- Inspection reports
- Sampling Results
- Division Form C-105: WELL COMPLETION OR RECOMPLETION REPORT AND LOG
- Copy of Deed Notice filed with the County Clerk (format to meet County requirements)
 <u>A deed notice is not required on state, federal or tribal land according to NMOCD FAQ dated October 30, 2008 and posted on the NMOCD website.</u>

General Plan Requirements:

1. All free standing liquids will be removed from the pit at the start of the closure process. Liquids will be removed in a manner that the appropriate District Office approves including; recycled, reused, reclaimed, evaporated, and/or disposed of in a Division-approved facility. Once all free liquids are removed, the sludge will be stabilized by one of the following methods depending on equipment availability: blending with clean stockpiled soils or dewatering using a Bowl Decanter Centrifuge then blending with clean stockpiles soils.

To the extent practical, free liquids were pulled from the reserve pit following the completion rig off. Haul dates was to (Rosa Unit SWD #001 (Order: SWD-916, API: 3003927055)

2. The preferred method of closure for all temporary pits will be on-site closure by in-place burial, provided all the criteria in 19.15.17.13.8 are met.

On-site burial plan for this location was approved by the Aztec District Office on (6/18/2009)

- 3. The surface owner shall be notified of WPX's proposed closure plan using a means that provides proof of notice (i.e. certified mail/return receipt requested)

 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. Within six months of the "rig-off" status occurring WPX will ensure that the temporary pit is covered, recontoured and reseeding in progress.

Drill rig-off (7/19/2009) Request for transfer to completion rig submitted 7/29/2009)) to OCD Aztec District Office, Completion rig-off (9/24/10). Pit covered 6/22/10 Pit area along with unused portions of well pad to be interim reclaimed in accordance with Surface Management Agency requirements in APD-COAs and per BLM:FFO/NMOCD MOU dated 5/4/09.

- 5. Notice of Closure will be given to the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)

Page 7 of 9 Rosa Unit No. 152D

<u>The Aztec District Office of NMOCD was notified by email using a format acceptable to the District.</u>

Copies of the notification from Abode Contractors on (6/7/2010) is attached.

6. The pit liner shall be removed above "mud level" after stabilization. Removal of the liner will consist of manually or mechanically cutting the liner at the mud level and removing all remaining liner. Care will be taken to remove "all" of the liner (I.e. anchored material). All excessive liner will be disposed of at a licensed disposal facility (probably San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426).

The liner to the temporary pit was removed above the "mud level" once stabilized. Removal of the liner consisted of manually cutting the liner and removing all remaining liner material above the "mud level" including the anchor material. All excessive liner was disposed of at the San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426.

7. Solidification of the remaining pit contents shall be achieved by mixing non-waste containing, earthen material. The solidification process will be accomplished use a combination of natural drying and mechanical mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio shall not exceed 3 parts non-waste to 1 part pit contents.

Following removal of free liquids, the pit contents were mixed with non-waste containing, earthen material in order to achieve appropriate solidification and a consistency that was deemed safe and stable. The solidification process was accomplished using a combination of natural drying, a Bowl Decanter Centrifuge, and mechanically mixing using a dozer and trackhoe. The mixing ration was approximately 2.5-3 parts native soil to 1 part pit contents. Solidification was completed (6/19/2010)

8. A five-point composite sample will be taken of the pit using sampling tools and all samples tested per 19.15.17.13(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), all contents will be handled per 19.15.17.13(B)(1)(a) (i.e. dig and haul to a Division-approved facility). Approval to haul will be requested of the Aztec District office prior to initiation.

A five-point composite sampling was taken of the pit area using sampling tools and the sample was tested per 19.15.17.13(B)(1)(b) NMAC. Results are shown in Table 1 and lab reports are attached.

Table 1: Closure Criteria for Temporary Pits in Non-sensitive Areas with Groundwater >100 bgs.

:: Components:	Testing Methods	Limits (mg/Kg)	Pit (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2	0.003
BTEX	EPA SW-846 Method 8021B or 8260B	50	0.034
TPH	EPA SW-846 Method 418.1	2500	144
GRO/DRO	EPA SW-846 Method 8015M (GRO/DRO)	500	57.3
Chlorides	EPA SW-846 Method 300.1	500	30

9. Upon completion of solidification and testing, the pit area will be backfilled with non-waste earthen material compacted to native conditions to enable effective revegetation for successful evapotranspiration. A minimum of four feet of cover including replacement of one foot of suitable material to establish vegetation, or the background thickness of topsoil, whichever is greater.

<u>Upon completion of solidification and testing, the pit area was backfilled with non-waste earthen</u> material compacted to native conditions. A minimum of four feet of cover to the extent practical was achieved and the cover included just over a foot of topsoil suitable to establish vegetation.

10. Following cover, the site will be recontoured to meet the Surface Management Agency or surface owner requirements. Re-contouring will attempt to match fit, shape, line form, and texture of the surrounding geography. Re-shaping will include drainage control, prevent ponding, and minimize erosion. Natural drainages will be unimpeded and stormwater Best Management Practices (BMPs) will be used to aid in soil stabilization and protection surface water quality.

Following cover, Williams reestablished drainage and contours to approximately match previous topography meeting the Conditions of Approval in the APD and the direction offered by a BLM/USFS inspector. Cover and re-contouring were completed (6/22/10)

- 11. Notification will be sent to the Aztec District office when the reclaimed area is seeded. Williams will comply with Surface Management Agency reseeding requirements in the COAs of the APD for the referenced well, per BLM:FFO/NMOCD MOU dated 5/4/09.
- 12. WPX shall seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover

Page 8 of 9 Rosa Unit No. 152D

(un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: WPX assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) or Land owner as part of a surface use agreement or APD are Division-approved methods unless notified by the Division of their unacceptability.

Williams will comply with Surface Management Agency reseeding requirements in the COAs of the APD for the referenced well, per BLM:FFO/NMOCD MOU dated 5/4/09.

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

The temporary pit was located with a steel marker meeting the above listed specifications. The marker has the following information welded for future reference: Williams Production, NMSF-078768, SM 36-T32N-R06 W-F, "Pit Burial" (photo attached). Steel marker set (6/21/2010).

1.



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	WPX	Project #:	04108-0130
Sample ID:	Reserve Pit	Date Reported:	06-29-10
Laboratory Number:	54851	Date Sampled:	06-21-10
Chain of Custody No:	9736	Date Received:	06-23-10
Sample Matrix:	Soil	Date Extracted:	06-25-10
Preservative:	Cool	Date Analyzed:	06-28-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.6	, 0.2
Diesel Range (C10 - C28)	52.7	0.1
Total Petroleum Hydrocarbons	57.3	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 Unit #152 D

Analyst

Review



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

Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	06-28-10 QA/	QC .	Date Reported:		06-29-10
Laboratory Number:	54851		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		06-28-10
Condition:	N/A		Analysis Reque		TPH
	l-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9960E+002	1.0000E+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	4.6	4.9	6.5%	0 - 30%	
Diesel Range C10 - C28	52.7	51.9	1.5%	0 - 30%	
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	4.6	250	254	99.9%	75 - 125%
Diesel Range C10 - C28	52.7	250	302	100%	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 54851-54853; 54875-54881



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0130
Sample ID:	Reserve Pit	Date Reported:	06-29-10
Laboratory Number:	54851	Date Sampled:	06-21-10
Chain of Custody:	9736	Date Received:	06-23-10
Sample Matrix:	Soil	Date Analyzed:	06-28-10
Preservative:	Cool	Date Extracted:	06-25-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.0	0.9
Toluene	6.1	1.0
Ethylbenzene	3.5	1.0
p,m-Xylene	13.2	1.2
o-Xylene	8.2	0.9
Total BTEX	34.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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 Unit #152 D

Analyst

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

••••									
Client:	N/A		Project #:	i	N/A				
Sample ID:	0628BBLK QA/QC	;	Date Reported:	te Reported: 06-2					
Laboratory Number:	54871		Date Sampled:	ampled: N/A					
Sample Matrix:	Soil		Date Received:	ceived: N/A					
Preservative:	N/A		Date Analyzed:		06-28-10				
Condition:	N/A		Analysis:	1	BTEX				
Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.				
Detection Limits (ug/L)		Accept. Rar	nge 0 - 15%	Conc	Limit				
Benzene	1,2821E+006	1.2847E+006	0.2%	ND	0.1				
Toluene	1.1804E+006	1,1827E+006	0.2%	ND	0.1				
Ethylbenzene	1.0715E+006	1.0737E+006	0.2%	ND	0.1				
p,m-Xylene	2,6845E+006	2.6899E+006	0.2%	ND	0.1				
o-Xylene	9,8301E+005	9.8498E+005	0.2%	ND	0.1				
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit				
Benzene	7.1	6.6	7.0%	0 - 30%	0.9				
Toluene	2.8	2.2	21.4%	0 - 30%	1.0				
Ethylbenzene	2.0	2.6	30.0%	0 - 30%	1.0				
p,m-Xylene	2.9	3.7	27.6%	0 - 30%	1.2				
o-Xylene	8.0	10.3	28.8%	0 - 30%	0.9				
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range				
Benzene	7.1	50.0	50.2	87.9%	39 - 150				
Toluene	2.8	50.0	44.9	85.0%	46 - 148				
Ethylbenzene	2.0	50.0	44.8	86.1%	32 - 160				
p,m-Xylene	2.9	100	88.3	85.8%	46 - 148				
o-Xylene	8.0	50.0	44.5	76.7%	46 - 148				
- mining	6.0	50.0	44.0	10.170	40 - 140				

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 54851-54853; 54871, 54878-54881

Analyst

Raviou



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	WPX	Project #:	04108-0130
Sample ID:	Reserve Pit	Date Reported:	06-29-10
Laboratory Number:	54851	Date Sampled:	06-21-10
Chain of Custody No:	9736	Date Received:	06-23-10
Sample Matrix:	Soil	Date Extracted:	06-28-10
Preservative:	Cool	Date Analyzed:	06-28-10
Condition:	Intact	Analysis Needed:	TPH-418.1

F		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

144

9.4

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 Unit #152 D

Analyst



EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

N/A

06-29-10 N/A

06-28-10

Client: QA/QC Project #: Sample ID: QA/QC Date Reported: Laboratory Number: 06-28-TPH.QA/QC 54901 Date Sampled: Sample Matrix: Freon-113 Date Analyzed:

06-28-10 Preservative: N/A Date Extracted: Condition: N/A Analysis Needed: TPH

Calibration I-Cal Date C-Cal Date I-Cal RF: C-Cal RF: % Difference Accept. Range 5.0% 06-03-10 06-28-10 1.686 1,770 +/- 10%

Blank Conc. (mg/Kg) **Detection Limit** Concentration ND **TPH** 9.4

Duplicate Conc. (mg/Kg) Sample % Difference Duplicate Accept. Range **TPH** 10.8 13.5 25.0% +/- 30%

Spike Conc. (mg/Kg) Sample Spike Added Spike Result % Recovery Accept Range **TPH** 10.8 2,000 1,750 87.0% 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 54880; 54898-54902; 54851-54853;



Chloride

WPX Project #: 04108-0130 Client: Date Reported: 06-29-10 Sample ID: Reserve Pit Lab ID#: 54851 Date Sampled: 06-21-10 06-23-10 Sample Matrix: Soil Date Received: 06-24-10 Cool Date Analyzed: Preservative: Condition: Intact Chain of Custody: 9736

Parameter

Concentration (mg/Kg)

Total Chloride

30

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.

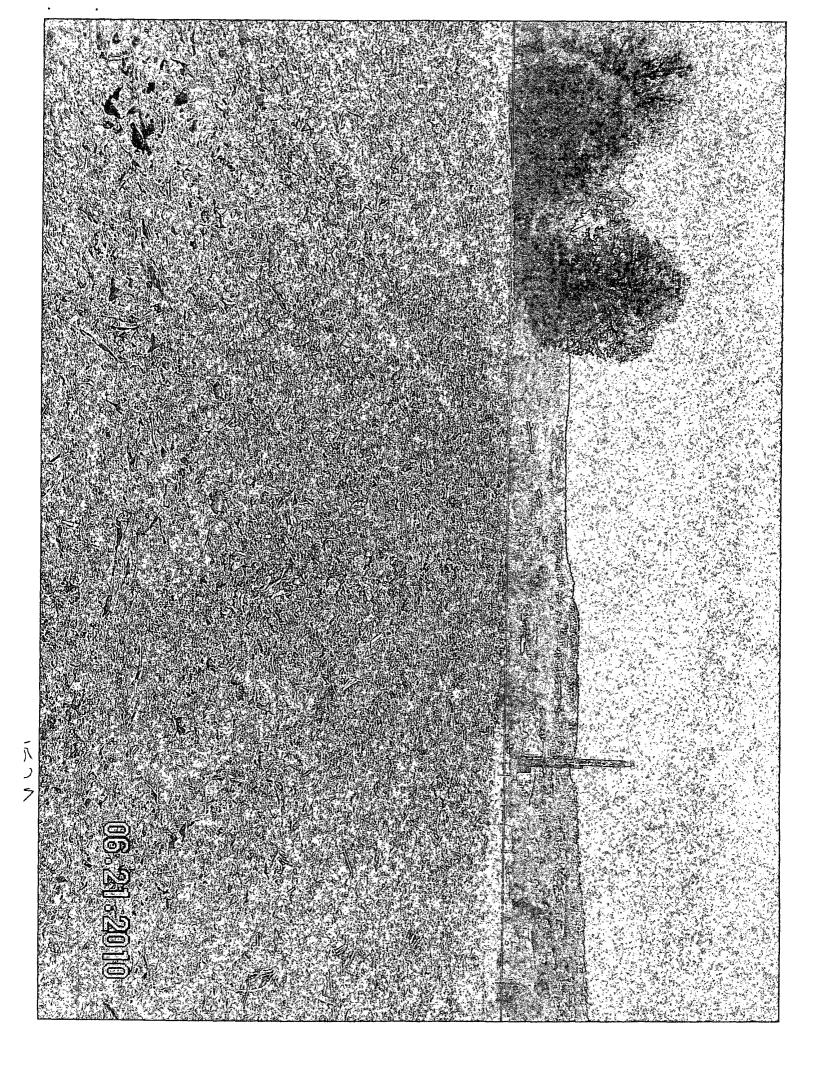
Comments:

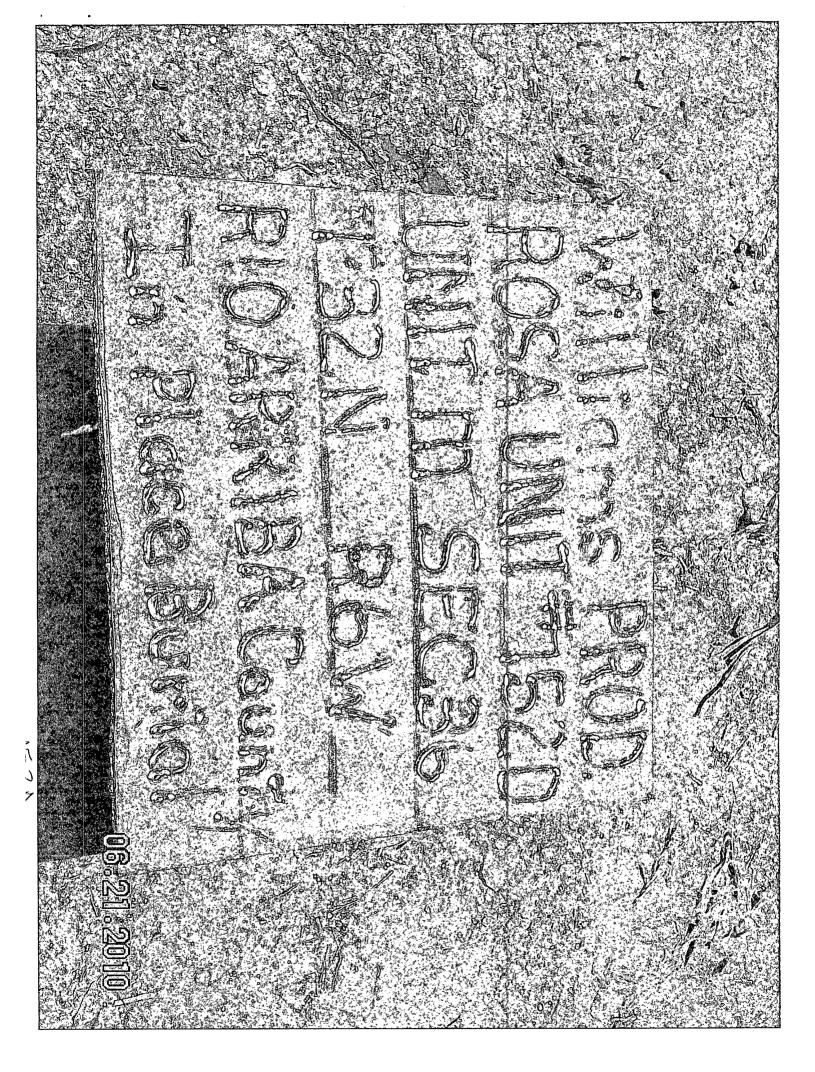
Rosa Unit #152 D

Analyst

CHAIN OF CUSTODY RECORD

	ANALYSIS / PARAMETERS ANALYSIS / PARAMETERS ANALYSIS / PARAMETERS	8015) 8260) 8	bortand bontal b	Sample No/Volume Preservative C (Cation of No/Volume PTEX O Cation PTEX	Sludge		oil Sludge olid Aqueous	_	oil Sludge olid Aqueous	oil Sludge olid Aqueous	oil Sludge	oil Sludge olid Aqueous	oil Sludge olid Aqueous	oil Sludge oild Aqueous	Time Beceived by: (Signature)	Received by: (Signature)	Received by: (Signature)	
A		s	lsteM 8	ACPA Cation												1	(6)	_C >
					+										ignature	Signature	Signature	VITO FECH
				I) H9T	 \ 										8 by: (5		s) :/q pa	
				reservative												Hece!	Receiv	• ×
				No. Volume P of Containers											Time /0: 30 4 12			
	#	\ ~	o		ge	Sludge Aqueous	Sludge	Sludge Aqueous	Sludge Aqueous	Sludge Aqueous	Sludge Aqueous	Sludge Aqueous	Sludge Aqueous	Sludge Aqueous	Date 612312	2/2/6		M
ocation	7,5	Shelk	0	ω ~	Solid Solid	Soil	Soil	Soil	Soil	Solid	Soil	Soil Solid	Soll	Soil				
Project Name / Location:	Rosa unt	Sampler Name:		Lab No.	54851													
<u>ā</u>		SS	ō	Sample Time	1:08 PM													
				Sample Date	6/21/10 1:08 Pm									-	(inter)	(eun	ure)	
	. X&3	Client Address:	Client Phone No.: MYKe Lawe	Sample No./ Identification	+									,	Relinquished by: (Signature)	Refinquished by: (Signature)	Relinquished by: (Signature)	





Fields, Vanessa

From:

johnny@adobecontractorsinc.com Friday, November 12, 2010 8:09 AM

Sent:

Fields, Vanessa

To: Subject:

FW: Williams cleanups, Rosa Unit 152D

Vanessa, there is not a notice to the BLM on this one because it's on state surface.

Johnny Stinson

Gen. Manager/ Adobe Contractors

Office: (505)632-1486 Mobile: (505)320-6076

johnny@adobecontractorsinc.com

From: Glenn Shelby [mailto:glenn@adobecontractorsinc.com]

Sent: Monday, June 07, 2010 4:40 PM

To: Brandon Powell

Cc: Johnny Stinson; Tasha Meador; Myke Lane **Subject:** Williams cleanups, Rosa Unit 152D

On June 10th we will start backfilling tha reserve pit on the Rosa Unit 152D. If you have any questions give me a call.

Thanks, Glenn Shelby Field Foreman Adobe Contractors, Inc.

Cell: 320-7187

glenn@adobecontractorsinc.com

(DO NOT USE THIS FORM FOR PROPOSAL DIFFERENT RESERVOIR. USE "APPLICATION PROPOSALS.)		DIVISION ncis Dr. 7505	Form C-103 June 19, 2008 WELL API NO. 30-039-30778 5. Indicate Type of Lease FEE X 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name Rosa Unit 8. Well Number
2. Name of Operator			Rosa Unit #152D 9. OGRID Number
Williams Production Company, LLC			120782
3. Address of Operator			10. Pool name or Wildcat
P.O. Box 640 Aztec, NM 87410			11. MV/MCS/DK
	nship 32N Range 0 11. Elevation (Show whether DR, 6341)	6W NMF	
12. Check Ap	opropriate Box to Indicate N	ature of Notice, F	Report or Other Data
TEMPORARILY ABANDON	ENTION TO: PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPL	SUBS REMEDIAL WORK COMMENCE DRIL CASING/CEMENT	LING OPNS. P AND A
OTHER:		OTHER: Comple	tion
of starting any proposed work or recompletion.	k). SEE RULE 1103. For Multip	le Completions: Atta	give pertinent dates, including estimated date ch wellbore diagram of proposed completion
7-29-09 - MIRU AWS #266 - Run CBL, TC	OC @ 3340'. Test 5-1/2" casing to 150	0 psi for 30 min, no leak	off
7-30-09 - DO cement to PBTD @ 8041'			
7-31-09 - MOL with AWS #266			
<u>8-24-09</u> – Rigless – Perf Dakota, 7912'-803	7', with 78, 0.34" holes		
8-25-09 - Frac Dakota with 5100# 100 mes	h BASF followed with 121,600# BASF		
8-26-09 thru 8-30-09 - Flow test Dakota			
I hereby certify that the information ab	pove is true and complete to the be	est of my knowledge	and belief.
SIGNATURE	TITLE <u>Drill</u>	ing COM. DATE	9/30/2009
Type or print name Larry Higgins E-n	nail address: <u>Larry.Higgins@will</u>	iams.com PHON	TE: <u>505-634-4208</u>
For State Use Only			
APPROVED BY: Conditions of Approval (if any):	TITLE		DATE

Submit To Appropriate Two Copies	e District Off	fice			State of New									orm C-105	
District 1 1625 N. French Dr., Ho	obbs, NM 88	3240	Ene	rgy,	Minerals and N	latural	Resources		1. WELL	API N	VO.			July 17, 2008	
District II 1301 W. Grand Avenue	e, Artesia, N	M 88210		Oi	l Conservation	n Divi	eion		30-039-30	778					
District III 1000 Rio Brazos Rd., A	Aztec, NM 8	7410			20 South St. F				2. Type of Lease						
District IV 1220 S. St. Francis Dr.,					Santa Fe, NM				STATE X FEE FED/INDIAN 3. State Oil & Gas Lease No.						
			R RECO		ETION REPO					or cont		MAR M			
4. Reason for filing:		11011 0	I I I I I	1V11 L.	LIIOIVIKLI	71(1 7(1	TD LOO		5. Lease Nan	and the same		MALE STATES	The Later Street Control	APPENDED A	
X COMPLETION	REPORT	(Fill in box	es #1 through	1#31 f	or State and Fee wel	ls only)			Rosa Unit 6. Well Num	ber:				<u> </u>	
#33; attach this and t	C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)												· · · · · · · · · · · · · · · · · · ·		
7. Type of Completi X NEW WEL	ion: LL 🏻 WO	ORKOVER	☐ DEEPEN	IING	□PLUGBACK □	DIFFER	ENT RESERY	VOIR	OTHER						
8. Name of Operator			tion Compa						9. OGRID	12	0782				
10. Address of Opera	ator	P.O. Box	640, Azteo	, NM	87410				11. Pool nam Basin Dakota		ildcat				
12.Location Ur	nit Ltr	Section	Townsh	ip	Range Lo	ot .	Feet from	the	N/S Line	Feet	from the	E/W	Line	County	
Surface:			11233	г								-		RIO	
BH:	M	36	32N		6W		550		SOUTH	450		WES	T	ARRIBA	
										<u> </u>	- T				
13. Date Spudded 7-6-09	14. Date T	D. Reached 7-17-09	1 15. Da 7-19-0		Released		16. Date Com 9-24-09	pleted	(Ready to Pro-	duce)			tions (DI etc.) 634	and RKB,	
18. Total Measured I	Depth of W	/ell	- 1	_	k Measured Depth			ctiona	1 Survey Made	?				ther Logs Run	
8052'			8041	MD			NO			Density	-Neutro	n,Temp,	nsated GR- Ultra Sonic		
22. Producing Interva	al(s) of thi	is completio	n - Ton, Botte	om Na	ume				Gas Detector, CBL						
BASIN DAKOTA:			n rop, bow	0111, 1 40											
		- ·		7 4 6	ING RECOR	D (D	most oll a	tuin /	ra act in W	, ₀ 11)					
23. CASING SIZE		WEIGHT L			DEPTH SET		HOLE SIZE	timi	CEMENTIN		CORD	A	MOUNT	PULLED	
10-3/4"		40.5			312'		14-3/4"		290 sxs						
7-5/8"		26.4			3686'		9-7/8"	595 sxs				<u> </u>			
5-1/2"		17#			8048'		6-3/4"		345 sxs –	3340	cbl				
	_								 		+				
24.				LINI	ER RECORD	1	 	25.	J	TUBIN	BING RECORD				
SIZE	TOP		воттом		SACKS CEMENT	SCRE	EN	SIZ			EPTH SE	Γ			
<u> </u>						2.			75", 4.7#, J-55	79	962' No				
26. Perforation rec	ord (interv	al, size, and	number)		l	27. A	CID, SHOT	FR/	ACTURE, CI	EMEN	T, SQU	EEZE,	ETC.		
Basin Dakota: Total	of 78 0 3/	1" holes				DEPT	H INTERVA		AMOUNT A	AND KIND MATERIAL USED					
Busin Bakota. Total	01 76, 0.54	Holes				7912	-8037'		5100# 100	0 mes	h & 121	1,600#	40/70		
									 						
28.					PR	ODU	CTION		<u> </u>	••		.,			
Date First Production	1				wing, gas lift, pumpi cos & Mesaverde per	ng - Size	and type pum	p)	Well Statu Waiting or		l. or Shut	-in)			
Date of Test	Hours Test	ted	Choke Size	T	Prod'n For	Oil - I	Bbl	Gas	- MCF	Wa	ater - Bbl.	· · · · · · · ·	Gas - 0	Oil Ratio	
9-23-09	2		1/2"		Test Period										
Flow Tubing	Casing Pre	ssure	Calculated 24	ļ- ,	Oil - Bbl.	G	as - MCF	١, ١	Water - Bbl.		Oil Gra	vity - A	PI - (Coi	r.)	
Press.	560 lb		Hour Rate 840 mcf/d												
29. Disposition of Gavented	as (Sold, us	ed for fuel, 1	vented, etc.)							30. T	est Witne ly Banks	essed By	,		
2) Liet Association	·									1					
31. List Attachments															
														,	
32. If a temporary pit See pit permit 33. If an on-site buria			•		_				<u> </u>					,	

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Submit To Approp Two Copies	riate District O	ffice			State of No					Form C-105						
District 1 1625 N. French Dr	., Hobbs, NM 8	38240	En	ergy,	Minerals an	d Natu	ral Re	sources		1. WELL	API N	O.			July 17, 2008	
District II 1301 W. Grand Av	enue, Artesia,	NM 88210		Oi	l Conserva	tion D	ivisio	n		30-039-30	778					
District III 1000 Rio Brazos R	d., Aztec, NM	87410			20 South S					2. Type of Lease STATE X FEE ☐ FED/INDIAN						
District IV 1220 S. St. Francis					Santa Fe, 1			•		3. State Oil &			<u> </u>	DINDI	AIN	
			RECC	MPI	ETION RE			LOG					, E 3, 3, 5	15 15 T		
4. Reason for fil				,,,,,, <u> </u>	LIIONIK		7 11 10			5. Lease Nam						
X COMPLETION	ON REPOR	Γ (Fill in boxe	s#1 throug	gh #31 f	or State and Fee	wells onl	ly)			Rosa Unit 6. Well Numl	per:					
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)										Rosa Unit #15	52D					
7. Type of Comp X NEW V		ORKOVER [□ DEEPE	NING	□PLUGBACK		FERENT	RESERV	OIR	OTHER						
8. Name of Oper										9. OGRID	120	782				
10. Address of O	perator	P.O. Box	640, Azte	c, NM	87410					11. Pool name Basin Mancos		lcat				
12.Location	Unit Ltr	Section	Towns	hin	Pange	Lot	Т	Feet from	the	N/S Line	Feet fi	om the	E/W L	ine	County	
Surface:	Cint Eu	Section	Towns	Township Range Lot				- Tott Holli	the l	140 Bille	1 001 11			JII10	RIO	
BH:	M	36	32N		6W			550	-	SOUTH	450		WEST	Γ	ARRIBA	
13. Date Spudded 7-6-09	d 14. Date	T.D. Reached 7-17-09	15. I 7-19		Released		16. l 9-24		leted	(Ready to Prod	luce)				and RKB,	
18. Total Measur	red Depth of \				k Measured De	pth			tiona	nal Survey Made? 21. Type Electric and Other Logs Run						
8052'			8041	' MD			NO				1		Neutron	Temp,	nsated GR- Ultra Sonic	
22. Producing Int BASIN MANCO			- Top, Bot	tom, Na	ame							Jas Dete	ctor, Cr	<u>JL</u>		
					·											
23.				CAS	ING REC	ORD (ring							
CASING SI 10-3/4"		WEIGHT LE 40.5#			DEPTH SET 312'			E SIZE -3/4"		CEMENTIN 290 sxs -			AM	10UNT	PULLED	
7-5/8"		26.4#			3686'			7/8"	595 sxs -							
5-1/2"		17#			8048'		6-3/4"			345 sxs – 3340' cbl						
24.				LIN	ER RECORD				25.	L	TIDINI)DD				
SIZE_	TOP	В	ОТТОМ	LIN	SACKS CEM	ENT S	CREEN		SIZ		NG RECORD PHYSET PACKER SET			ER SET		
									2.3	75", 4.7#, J-55	796	2'		None		
26 D		val, size, and r		.,			- A CII	2 CHOT		A CTUBE OF	MENT	COLUE	EZE I			
	,		iumber)					O, SHOT, NTERVAL		ACTURE, CE AMOUNT A						
Upper Mancos: The Lower Mancos: The Control of the	Fotal of 78, 0. Total of 63, 0	.34" holes				6	820'-7	070'		5000# 100	mesh	& 84,9	64# 4	0/70		
		.5				7	151'-7	286'		5000# 100	mesh	& 108	,893#	40/70		
20					· · · · · · · · · · · · · · · · · ·	PROD	MICT	ION		l						
28. Date First Produc	etion	Produ	iction Meth	nod (Fla	owing, gas lift, pi)	Well Status	(Prod.	or Shut-i	(n)			
					verde & Dakota					Waiting on	tie in					
Date of Test	Hours Te	sted C	hoke Size		Prod'n For Test Period	10	il - Bbl		Gas	- MCF	Wate	er - Bbl.		Gas - C	Dil Ratio	
9-23-09	2		2								1_	24.0				
Flow Tubing Press.	Casing Pr		Calculated 2 Iour Rate	24-	Oil - Bbl.		Gas -	MCF	١ ١	Water - Bbl.		Oil Grav	nty - AF	1 - (Cor.	r.)	
0	560 lb	1	295 mcf/d													
29. Disposition of vented	f Gas (Sold, u	sed for fuel, ve	ented, etc.)		<u></u>		1	*=			30. Tes Buddy	t Witnes Banks	sed By			
31. List Attachme	ents															
32. If a temporary See pit permit	pit was used	at the well, at	tach a plat	with th	e location of the	temporar	y pit.									
33. If an on-site b	urial was use	d at the well, r	eport the e	xact loc	ation of the on-s	site burial:	:									
	Latitude Longitude NAD 1927 1983															

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Two Copies	iate District O	office			State of Ne					Form C-105							
District I 1625 N. French Dr.	Hobbs NM	88240	En	ergy,	Minerals an	d Natura	al Re	esources		July 17, 2008 1. WELL API NO.							
District II										1. WELL AFT NO. 30-039-30778							
1301 W. Grand Ave District III					l Conserva					2. Type of L							
1000 Rio Brazos Ro District IV	i., Aztec, NM	87410		12	20 South S			r.		STATE X FEE FED/INDIAN							
1220 S. St. Francis	Dr., Santa Fe,	NM 87505			Santa Fe, 1	NM 875	505			3. State Oil & Gas Lease No.							
		ETION O	RECC	MPL	ETION RE	PORT	ANE	LOG									
4. Reason for fili	ng:				*	3				Lease Nam Rosa Unit	ne or U	nit Agree	ment N	ame			
X COMPLETION	ON REPOR	T (Fill in box	es #1 throug	gh #31 f	or State and Fee	wells only)			6. Well Num	ber:						
C-144 CLOS	TIPE ATT	CHMENT	(Fill in boy	e #1 th	rough #0 #15 De	ate Ria Reli	hasea	and #32 an	d/or	Rosa Unit #15	200						
#33; attach this at	nd the plat to	the C-144 cl	osure report	in acco	ordance with 19.1	15.17.13.K	NMA	C)	u/Oi	Rosa Ollit #12)ZD						
7. Type of Comp		ODVOVED	DEEDE	NINC	□PLUGBACK	Diee	EDENI	TDECEDI	/OID	Потибр							
8. Name of Opera		iams Produc				<u> </u>	LICEN	I KESEK V		9. OGRID	12	0782					
								·									
10. Address of Op	perator	Р.О. Вох	640, Azte	ec, NM	87410					11. Pool name Blanco Mesav		ildcat					
12.Location	Unit Ltr	Section	Towns	hip	Range	Lot		Feet from	the	N/S Line	Feet	from the	E/W	Line	County		
Surface:	M	36	32N		6W			550		SOUTH	450		WES	т	RIO ARRIBA		
BH:	IVI	30	32IN		l ow			330		3001H	430		WES	1	ARRIDA		
10.70	1		1							(D. 1. D.	<u> </u>			· ' (DT	L L DV D		
13. Date Spudded 7-6-09	14. Date	T.D. Reached 7-17-09	l 15. L 7-19		g Released			Date Comp 4-09	oleted	(Ready to Proc	luce)			tions (DF etc.) 634	and RKB,		
18. Total Measure	ed Depth of	Well	19. F	lug Ba	ck Measured Dep	pth	20.	Was Direc	tiona	Survey Made	?	21. Type	e Electr	ic and O	ther Logs Run		
8052'			8041	' MD			NO			Array Induction, Compensated GR- Density-Neutron, Temp, Ultra Sonic							
												Gas Dete			Olifa Some		
22. Producing Into			ı - Top, Bot	tom, Na	ame												
BLANCO MESA	VERDE: 3	173 -3932															
23.				CAS	ING REC	ORD (I	Reno	ort all st	ring	s set in w	ell)						
CASING SIZ	ZE	WEIGHT L			DEPTH SET			LE SIZE		CEMENTIN		CORD	Al	MOUNT	PULLED		
10-3/4"		40.5			312'			4-3/4"		290 sxs - surface							
7-5/8" 5-1/2"		26.4# 17#	#		3686'			0-7/8" 0-3/4"		595 sxs - surface							
3-1/2		1/#		-	8048'			0-3/4		345 sxs – 3340° cbl							
										<u> </u>							
24.				LIN.	ER RECORD	,,L			25.	T	NG RECORD						
SIZE	TOP	I	воттом		SACKS CEM	ENT SC	REEN	1	SIZ								
<u></u>	-								2.3	75", 4.7#, J-55	179	62'		None			
26. Perforation	record (inter	val, size, and	number)	·····		27	ACI	D SHOT	FR A	ACTURE, CE	MEN	T SOUE	EZF	L FTC			
		,,						NTERVAL		AMOUNT A							
Upper MV: Total Lower MV: Total							73-5:			79,800# 20							
						55	12'-5	5952'		80,700# 20	U/40 <u>1</u>	nesh B	ASF				
20			<u>.</u>			PROD	[[C]	LIUN		l							
28. Date First Product	ion	Prod	uction Meth	nod (Flo	owing, gas lift, pi				·)	Well Status	(Prod	or Shut-	in)				
					cos & Dakota pe			,, ,	,	Waiting on			,				
Date of Test	Hours Te	sted	Choke Size		Prod'n For Test Period	Oil I	- Bbl		Gas	- MCF	Wa	ter - Bbl.		Gas - C	Dil Ratio		
9-23-09	2		/2"						<u> </u>								
Flow Tubing Press.	Casing P		Calculated 2 Hour Rate	24-	Oil - Bbl.	1	Gas -	MCF	ı V	Vater - Bbl.		Oil Grav	ity - A	PI - (Cor	r.)		
0	560 lb	1	1365 mcf/d			}											
29. Disposition of vented	Gas (Sold, 1	ised for fuel,	ented, etc.)								30. To	est Witnes y Banks	ssed By	,			
31. List Attachme	nte				<u>.</u>						Dudd	y Daliks					
51. List Attacnine	1115																
32. If a temporary	pit was used	at the well, a	ttach a plat	with the	e location of the	temporary	pit.										
See pit permit 33. If an on-site but	ırial was use	ed at the well,	report the e	xact loc	ation of the on-s	ite burial:											
					Latitude					Longitude				NA	D 1927 1983		

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



Temporary Pit Inspection

FACILITY INFORMATION API #: 30-039-30778 Facility Name: Rosa #152D Pit Type: x □ Drilling □ Workover □ **Inspection:** Daily (Rig) x Weekly (Tech) Cavitation Pit Liner intact (no visible tears) x Yes No If No, Date / Time Reported to EH&S: Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) x Yes No Not Required (if site fully fenced) x∏ Yes ☐ No Pit Slopes intact Adequate freeboard x Yes No Not Applicable (liquid level 2 vertical feet from berm top) Does pit have oil or sheen on it? ☐ Yes x☐ No Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 3-30-2010

Title: Tech

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



Temporary Pit Inspection

FACILITY INFORMATION Facility Name: Rosa #152D API#: 30-039-30778 **Inspection:** Daily (Rig) x Weekly (Tech) **Pit Type:** x □ Drilling □ Workover □ Cavitation Pit Liner intact (no visible tears) x☐ Yes ☐ No If No. Date / Time Reported to EH&S: Report to EH&S immediately x Yes No Not Required (if site fully fenced) Pit Properly Fenced (no fence on rig side if on site) Pit Slopes intact x Yes □ No Adequate freeboard x Yes □ No □ Not Applicable (liquid level 2 vertical feet from berm top) Yes x No Does pit have oil or sheen on it? Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller Title: Tech

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 4-8-2010

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



Temporary Pit Inspection

FACILITY	INFORMATION
Facility Name: Rosa #152D	API #: 30-039-30778
Pit Type: x☐ Drilling ☐ Workover ☐	Inspection: Daily (Rig) x Weekly (Tech)
Cavitation	
Dittingrinted (no visible town)	x Yes No If No, Date / Time Reported to EH&S:
Pit Liner intact (no visible tears)	Report to EH&S immediately
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)
Pit Slopes intact	x Yes No
	X Ties Tillo
Adequate freeboard	x Yes No Not Applicable
(liquid level 2 <u>vertical</u> feet from berm top)	
Does pit have oil or sheen on it?	Yes x No
Flare Pit free of liquids	x Yes No Not Applicable
Comments:	
Inspector Signature: Dwayne Miller	
Printed Name: Dwayne Miller	
Title: Tech	

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 4-16-2010

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



Temporary Pit Inspection

FACILITY INFORMATION								
Facility Name: Rosa #152D	API #: 30-039-30778							
·								
Pit Type: x☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily (Rig) x Weekly (Tech)							
Pit Liner intact (no visible tears)	x Yes No If No, Date / Time Reported to EH&S:							
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)							
Pit Slopes intact	x□ Yes □ No							
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	x Yes No Not Applicable							
Does pit have oil or sheen on it?	☐ Yes x☐ No							
Flare Pit free of liquids	x Yes No Not Applicable							
Comments:								
Inspector Signature: Dwayne Miller								
Printed Name: Dwayne Miller								
Title: Tech								

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 4-23-2010

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



Temporary Pit Inspection

FACILITY INFORMATION API#: 30-039-30778 Facility Name: Rosa #152D **Inspection:** Daily (Rig) x Weekly (Tech) **Pit Type:** x Drilling Workover Cavitation x Yes No If No. Date / Time Reported to EH&S: Pit Liner intact (no visible tears) Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) x Yes No Not Required (if site fully fenced) x□ Yes □ No Pit Slopes intact x Yes □ No □ Not Applicable Adequate freeboard (liquid level 2 vertical feet from berm top) ☐ Yes x☐ No Does pit have oil or sheen on it? Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller Title: Tech

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 5-07-2010

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



Temporary Pit Inspection

FACILITY INFORMATION API #: 30-039-30778 Facility Name: Rosa #152D Pit Type: x Drilling Workover **Inspection:** \square Daily (Rig) $x\square$ Weekly (Tech) Cavitation x☐ Yes ☐ No If No. Date / Time Reported to EH&S: Pit Liner intact (no visible tears) Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) x Yes No Not Required (if site fully fenced) Pit Slopes intact x Yes □ No x Yes No Not Applicable Adequate freeboard (liquid level 2 vertical feet from berm top) ☐ Yes x☐ No Does pit have oil or sheen on it? Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller Title: Tech

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 5-21-2010

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Temporary Pit Inspection

FACILITY INFORMATION Facility Name: Rosa #152D API #: 30-039-30778 Pit Type: x Drilling Workover **Inspection:** Daily (Rig) x Weekly (Tech) Cavitation x□ Yes □ No If No. Pit Liner intact (no visible tears) Date / Time Reported to EH&S: Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) x Yes No Not Required (if site fully fenced) Pit Slopes intact x∏ Yes No Adequate freeboard x Yes □ No □ Not Applicable (liquid level 2 <u>vertical</u> feet from berm top) ☐ Yes x☐ No Does pit have oil or sheen on it? Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller Title: Tech

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 5-14-2010

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



Temporary Pit Inspection

FACILITY INFORMATION API#: 30-039-30778 Facility Name: Rosa #152D Pit Type: x ☐ Drilling ☐ Workover ☐ **Inspection:** □ Daily (Rig) x □ Weekly (Tech) Cavitation x Yes No If No. Pit Liner intact (no visible tears) Date / Time Reported to EH&S: Report to EH&S immediately x Yes No Not Required (if site fully fenced) Pit Properly Fenced (no fence on rig side if on site) Pit Slopes intact x∐ Yes □ No ☐ No ☐ Not Applicable Adequate freeboard x□ Yes (liquid level 2 <u>vertical</u> feet from berm top) Does pit have oil or sheen on it? ☐ Yes x☐ No Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller Title: Tech

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 12-4-09

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Temporary Pit Inspection

FACILITY	INFORMATION
Facility Name: Rosa #152D	API #: 30-039-30778
Pit Type: x☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily (Rig) x Weekly (Tech)
Pit Liner intact (no visible tears)	x Yes No If No, Report to EH&S immediately
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)
Pit Slopes intact	x Yes No
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	x Yes No Not Applicable
Does pit have oil or sheen on it?	Yes x No
Flare Pit free of liquids	x Yes No Not Applicable
Comments:	
Inspector Signature: Dwayne Miller	
Printed Name: Dwayne Miller	
Title: Tech	

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 12-11-09

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Temporary Pit Inspection

FACILITY INFORMATION								
Facility Name: Rosa #152D	API #: 30-039-30778							
Pit Type: x☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily (Rig) x Weekly (Tech)							
Cavilation								
Pit Liner intact (no visible tears)	x Yes No If No, Date / Time Reported to EH&S:							
The line index (no visible ledis)	Report to EH&S immediately							
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)							
Pit Slopes intact	x□ Yes □ No							
Adequate freeboard	x Yes No Not Applicable							
(liquid level 2 <u>vertical</u> feet from berm top)								
Does pit have oil or sheen on it?	☐ Yes x☐ No							
Flare Pit free of liquids	x Yes No Not Applicable							
Comments:								
Inspector Signature: Dwayne Miller								
Printed Name: Dwayne Miller	•							
Title: Tech								
Date: 12-18-09	Phone: (505)320-7737							

Record Retention: Submit with Closure

File: EH&S Well Files

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Temporary Pit Inspection

FACILITY INFORMATION	
Facility Name: Rosa #152D	API #: 30-039-30778
Pit Type: x Drilling Workover Cavitation	Inspection: Daily (Rig) x Weekly (Tech)
Pit Liner intact (no visible tears)	x Yes No If No, Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)
Pit Slopes intact	x Yes No
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	x Yes No Not Applicable
Does pit have oil or sheen on it?	☐ Yes x☐ No
Flare Pit free of liquids	x Yes No Not Applicable
Comments:	
Inspector Signature: Dwayne Miller	
Printed Name: Dwayne Miller	
Title: Tech	

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 12-22-09

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



Temporary Pit Inspection

FACILITY INFORMATION Facility Name: Rosa #152D API#: 30-039-30778 Pit Type: x Drilling Workover **Inspection:** Daily (Rig) x Weekly (Tech) Cavitation Pit Liner intact (no visible tears) x Yes No If No. Date / Time Reported to EH&S: Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) x Yes No Not Required (if site fully fenced) Pit Slopes intact x□ Yes ☐ No Adequate freeboard x Yes No Not Applicable (liquid level 2 <u>vertical</u> feet from berm top) ☐ Yes x☐ No Does pit have oil or sheen on it? x Yes No Not Applicable Flare Pit free of liquids Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller Title: Tech

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 12-29-09

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Temporary Pit Inspection

FACILITY INFORMATION Facility Name: Rosa #152D API#: 30-039-30778 **Pit Type:** x Drilling Workover **Inspection:** Daily (Rig) x Weekly (Tech) Cavitation Pit Liner intact (no visible tears) x Yes No If No. Date / Time Reported to EH&S: Report to EH&S immediately x Yes No Not Required (if site fully fenced) Pit Properly Fenced (no fence on rig side if on site) Pit Slopes intact x□ Yes □ No Adequate freeboard x Yes □ No □ Not Applicable (liquid level 2 vertical feet from berm top) Does pit have oil or sheen on it? ☐ Yes x☐ No Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller Title: Tech

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 3-5-2010

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Temporary Pit Inspection

FACILITY INFORMATION	
Facility Name: Rosa #152D	API #: 30-039-30778
	<u> </u>
Pit Type: x☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily (Rig) x Weekly (Tech)
Cavilation	
Pit Liner intact (no visible tears)	x Yes No If No, Report to EH&S immediately
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)
Pit Slopes intact	x Yes No
Adequate freeboard	x Yes No Not Applicable
(liquid level 2 <u>vertical</u> feet from berm top)	
Does pit have oil or sheen on it?	Yes x No
Flare Pit free of liquids	x Yes No Not Applicable
Comments:	
Inspector Signature: Dwayne Miller	
Printed Name: Duraune Miller	
Printed Name: Dwayne Miller	
Title: Tech	

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 3-19-2010

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Temporary Pit Inspection

FACILITY INFORMATION	
Facility Name: Rosa Unit #152-D	API #: 30-039-30778
Pit Type: Drilling Workover Cavitation	Inspection: 🛛 Daily 🔲 Weekly 🔲 Monthly
Pit Liner intact (no visible tears)	Yes No If No, 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	
Adequate freeboard	
(liquid level 2 <u>vertical</u> feet from berm top)	
Free oil or sheen present on pit	☐ Yes ☒ No
Flare Pit free of liquids	
Comments:	
Inspector Signature: WILLIE MOCK	
Printed Name: WILLIE MOCK	·
Title: DRILLING CONSULTANT (T.D.C.I.)	

Phone: (505) 793-0528

Record Retention: Submit with Closure

File: EH&S

Date: 7/7/2009

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 #152-D	API #: 30-039-30778
Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation	Inspection: 🛛 Daily 🔲 Weekly 🔲 Monthly
Pit Liner intact (no visible tears)	Yes No If No, Report to EH&S immediately
Pit Properly Fenced (no fence on rig side if on site)	
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: WILLIE MOCK	
Printed Name: WILLIE MOCK	
Title: DRILLING CONSULTANT (T.D.C.I.)	
Date: 7/8/2009 Phone: (505) 793-0528

Record Retention: Submit with Closure

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 #152-D	API #: 30-039-30778
Pit Type: ☑ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily Weekly Monthly
Pit Liner intact (no visible tears)	Yes No If No, 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)	
Free oil or sheen present on pit	☐ Yes ☒ No
Flare Pit free of liquids	Yes No Not Applicable
Comments:	
Inspector Signature: WILLIE MOCK	
Printed Name: WILLIE MOCK	
Title: DRILLING CONSULTANT (T.D.C.I.)	

Phone: (505) 793-0528

Record Retention: Submit with Closure

File: EH&S

Date: 7/9/2009

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



Temporary Pit Inspection

FACILI	I Y INFORMATION
Facility Name: Rosa Unit #152-D	API #: 30-039-30778
Pit Type: Drilling Workover Cavitation	Inspection: 🛛 Daily 🔲 Weekly 🔲 Monthly
Pit Liner intact (no visible tears)	Yes No If No. Date / Time Reported: Report to EH&S immediately
Pit Properly Fenced (no fence on rig side if on site)	
Pit Slopes intact	
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	
Comments:	
Inspector Signature: WILLIE MOCK	
Printed Name: WILLIE MOCK	
Title: DRILLING CONSULTANT (T.D.C.I.)	
Date: 7/10/2009 Phone	e: (505) 793-0528

Record Retention: Submit with Closure

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 #152-D	API #: 30-039-30778
Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily Weekly Monthly
Pit Liner intact (no visible tears)	Yes No If No, Date / Time Reported:
L. Line Wilder (Ne Visione Teals)	Report to EH&S immediately
Pit Properly Fenced (no fence on rig side if on site)	Yes No Not Required (if site fully fenced)
Pit Slopes intact	
Adequate freeboard	Yes No Not Applicable
(liquid level 2 <u>vertical</u> feet from berm top)	
Free oil or sheen present on pit	☐ Yes ☒ No
Flare Pit free of liquids	
Comments:	
Inspector Signature: WILLIE MOCK	
Printed Name: WILLIE MOCK	
THITIEG NGINE, WILLIE MOCK	
Title: DRILLING CONSULTANT (T.D.C.I.)	
<u>Date: 7/</u> 11/2009 Phone:	(505) 793-0528

Record Retention: Submit with Closure

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 #152-D	API #: 30-03930778
Pit Type: Drilling Workover Cavitation	Inspection: Daily Weekly Monthly
Pit Liner intact (no visible tears)	Yes No If No, 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)	
Free oil or sheen present on pit	☐ Yes ☒ No
Flare Pit free of liquids	
Comments:	
Inspector Signature: HARMON COCKRELL	
Printed Name: HARMON COCKRELL	
Title: DRILLING CONSULTANT (TDCI)	
Date: 7/12/2009 Pho	one: (505) 486-1935

Record Retention: Submit with Closure

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 #152-D	API #: 30-03930778
Pit Type: Drilling D Workover Cavitation	Inspection: Daily Weekly Monthly
Pit Liner intact (no visible tears)	Yes No If No, 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	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	
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 (TDCI)	

Phone: (505) 486-1935

Record Retention: Submit with Closure

File: EH&S

Date: 7/13/2009

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 #152-D API #: 30-03930778 Pit Type: Drilling Workover | Cavitation Inspection: Daily Weekly Monthly Yes No If No. Pit Liner intact (no visible tears) Date / Time Reported: Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) Yes No Not Required (if site fully fenced) Pit Slopes intact X Yes ΠNο X Yes No Not Applicable Adequate freeboard (liquid level 2 vertical feet from berm top) Yes No Free oil or sheen present on pit Flare Pit free of liquids Yes No Not Applicable Comments: Inspector Signature: HARMON COCKRELL Printed Name: HARMON COCKRELL Title: DRILLING CONSULTANT (TDCI)

Phone: (505) 486-1935

Record Retention: Submit with Closure

Date: 7/14/2009

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



Temporary Pit Inspection

FACILITY INFORMATION

FACILITY INFORMATION	
Facility Name: ROSA UNIT #152-D	API #: 30-03930778
Pit Type: Drilling Workover Cavitation	Inspection: 🛛 Daily 🔲 Weekly 🔲 Monthly
	·
Pit Liner intact (no visible tears)	Yes No If No, 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	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	
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 (TDCI)	
Date: 7/15/2009 Ph	none: (505) 486-1935

Record Retention: Submit with Closure

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 #152-D	API #: 30-03930778
Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation	Inspection: 🛛 Daily 🔲 Weekly 🔲 Monthly
Pit Liner intact (no visible tears)	X Yes No If No, Date / Time Reported: Report to EH&S immediately
Pit Properly Fenced (no fence on rig side if on site)	
Pit Slopes intact	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	X Yes No Not Applicable
Free oil or sheen present on pit	☐ Yes ☒ No
Flare Pit free of liquids	
Comments:	
Inspector Signature: HARMON COCKRELL	
Printed Name: HARMON COCKRELL	
Title: DRILLING CONSULTANT (TDCI)	
THE DRILLING CONSULTAINT (TDCT)	

Phone: (505) 486-1935

Record Retention: Submit with Closure

File: EH&S

Date: 7/16/2009

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



Temporary Pit Inspection

FACILITY INFORMATION

FACILITY INFORMATION	
Facility Name: ROSA UNIT #152-D	API #: 30-03930778
Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation	Inspection: 🛛 Daily 🔲 Weekly 🔲 Monthly
Pit Liner intact (no visible tears)	X Yes No If No, Date / Time Reported:
Pit Properly Fenced (no fence on rig side if on site)	Report to EH&S immediately 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)	
Free oil or sheen present on pit	☐ Yes ☒ No
ree oil of sheen present on pit	Li res Zi No
Flare Pit free of liquids	
Comments:	
Inspector Signature: HARMON COCKRELL	
Printed Name: HARMON COCKRELL	
Title: DRILLING CONSULTANT (TDCI)	
Date: 7/17/2009	one: / 505) 484 1935
	one: (505) 486-1935

Record Retention: Submit with Closure

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 #152-D	API #: 30-03930778
Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily Weekly Monthly
Pit Liner intact (no visible tears)	Yes No If No, Report to EH&S immediately
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)	
Free oil or sheen present on pit	☐ Yes ☒ No
Flare Pit free of liquids	
Comments:	
Inspector Signature: HARMON COCKRELL	
Printed Name: HARMON COCKRELL	
Title: DRILLING CONSULTANT (TDCI)	

Phone: (505) 486-1935

Record Retention: Submit with Closure

File: EH&S

Date: 7/18/2009

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



Temporary Pit Inspection

FACILITY INFORMATION
API #: 30-03930778

racility Name: ROSA UNII #152-D	API #: 30-039307/8								
Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily Weekly Monthly								
Pit Liner intact (no visible tears)	X Yes No If No, 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									
Adequate freeboard (liquid level 2 vertical feet from berm top)									
Free oil or sheen present on pit	☐ Yes ☒ No								
Flare Pit free of liquids									
Comments:									
Inspector Signature: HARMON COCKRELL									
Printed Name: HARMON COCKRELL									
Title: DRILLING CONSULTANT (TDCI)									
Date: 7/19/2009 Pho	one: (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: ROSA UNIT #152-D	API #: 30-03930778									
Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation	Inspection: 🛛 Daily 🔲 Weekly 🔲 Monthly									
Pit Liner intact (no visible tears)	Yes No If No, 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										
Comments:										
Inspector Signature: HARMON COCKRELL										
Printed Name: HARMON COCKRELL										
Title: DRILLING CONSULTANT (TDCI)										

Phone: (505) 486-1935

Record Retention: Submit with Closure

File: EH&S

Date: 7/20/2009

3

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



Temporary Pit Inspection

FACILITY INFORMATION									
Facility Name: Rosa #152D	API #: 30-039-30778								
Pit Type: x Drilling Workover Cavitation	Inspection: Daily (Rig) x Weekly (Tech)								
Pit Liner intact (no visible tears)	x Yes No If No, Report to EH&S immediately								
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)								
Pit Slopes intact	x Yes No								
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	x Yes No Not Applicable								
Does pit have oil or sheen on it?	☐ Yes x☐ No								
Flare Pit free of liquids	x Yes No Not Applicable								
Comments:									
Inspector Signature: Dwayne Miller									
Printed Name: Dwayne Miller									
Title: Tech									

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 1-8-2010

1 -

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



Temporary Pit Inspection

FACILITY INFORMATION Facility Name: Rosa #152D API #: 30-039-30778 Pit Type: x □ Drilling □ Workover □ **Inspection:** Daily (Rig) x Weekly (Tech) Cavitation Pit Liner intact (no visible tears) x☐ Yes ☐ No If No, Date / Time Reported to EH&S: Report to EH&S immediately x Yes No Not Required (if site fully fenced) Pit Properly Fenced (no fence on rig side if on site) Pit Slopes intact x∐ Yes П No x Yes □ No □ Not Applicable Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top) Does pit have oil or sheen on it? ☐ Yes x☐ No Flare Pit free of liquids x Yes □ No □ Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 1-15-2010

Title: Tech

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



Temporary Pit Inspection

FACILITY INFORMATION Facility Name: Rosa #152D API #: 30-039-30778 **Inspection:** Daily (Rig) x Weekly (Tech) Pit Type: x Drilling Workover Cavitation Pit Liner intact (no visible tears) x∏ Yes ☐ No If No. Date / Time Reported to EH&S: Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) x Yes No Not Required (if site fully fenced) Pit Slopes intact x□ Yes □ No x Yes No Not Applicable Adequate freeboard (liquid level 2 vertical feet from berm top) Does pit have oil or sheen on it? ☐ Yes x☐ No x Yes No Not Applicable Flare Pit free of liquids Comments:

Phone: (505)320-7737

Record Retention: Submit with Closure

Inspector Signature: Dwayne Miller

Printed Name: Dwayne Miller

File: EH&S Well Files

Date: 1-29-2010

Title: Tech

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



Temporary Pit Inspection

FACILITY INFORMATION									
Facility Name: Rosa #152D	API #: 30-039-30778								
Pit Type: x Drilling Workover Cavitation	Inspection: Daily (Rig) x Weekly (Tech)								
Pit Liner intact (no visible tears)	x Yes No If No, Report to EH&S immediately								
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)								
Pit Slopes intact	x Yes No								
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	x Yes No Not Applicable								
Does pit have oil or sheen on it?	☐ Yes x☐ No								
Flare Pit free of liquids	x Yes No Not Applicable								
Comments:									
Inspector Signature: Dwayne Miller									
Printed Name: Dwayne Miller									
Title: Tech									

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 2-5-2010

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



Temporary Pit Inspection

FACILIT	Y INFORMATION
Facility Name: Rosa #152D	API #: 30-039-30778
Pit Type: x☐ Drilling ☐ Workover ☐ Cavitation	Inspection: Daily (Rig) x Weekly (Tech)
Pit Liner intact (no visible tears)	x Yes No If No. Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	x Yes No Not Required (if site fully fenced)
Pit Slopes intact	x Yes No
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	x Yes No Not Applicable
Does pit have oil or sheen on it?	☐ Yes x☐ No
Flare Pit free of liquids	x Yes No Not Applicable
Comments:	
Inspector Signature: Dwayne Miller	
Printed Name: Dwayne Miller	
Title: Tech	
Date: 2-12-2010	Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

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



Temporary Pit Inspection

FACILITY INFORMATION API#: 30-039-30778 Facility Name: Rosa #152D Pit Type: x □ Drilling □ Workover □ **Inspection:** □ Daily (Rig) x □ Weekly (Tech) Cavitation x Yes No If No. Date / Time Reported to EH&S: Pit Liner intact (no visible tears) Report to EH&S immediately Pit Properly Fenced (no fence on rig side if on site) x Yes No Not Required (if site fully fenced) Pit Slopes intact x Yes □ No x Yes No Not Applicable Adequate freeboard (liquid level 2 vertical feet from berm top) Does pit have oil or sheen on it? ☐ Yes x☐ No Flare Pit free of liquids x Yes No Not Applicable Comments: Inspector Signature: Dwayne Miller Printed Name: Dwayne Miller

Phone: (505)320-7737

Record Retention: Submit with Closure

File: EH&S Well Files

Date: 2-25-2010

<u>Title: Tech</u>

Date	Two Copies	riate District Of	nce			State of Ne										rm C-105		
Description Avenue Andreis, NM 851		Hobbe NM 8	8240	Ene	ergy, l	Minerals and	d Natura	l Re	sources	-	1 MET I	A DI N	10			July 17, 2008		
Date	District II																	
100 Ab St Norm Rd. Area. NAT PRIES 1220 South St. Francis Dr.		enue, Artesia, N	NM 88210															
March Marc	1000 Rio Brazos R	d., Aztec, NM 8	87410	1220 South St. Francis Dr.							l ===							
Recursion String		Dr., Santa Fe, I	NM 87505			Santa Fe. N	VM 875	05		l								
S. Lease Name or Unit Agroement Name Road Link				RECC					LOG		Section 1							
CASHING FORT (Fill in boxes of through #31 for State and Fee wells only)			.11011 011	- NEOC	VIVII L	LIIONIKL	1 01(17	VIVL	, 200	- 1					·	<u>,, i</u>		
C-144 CLOSHRE ATTACHMENT (Fill in boxe #1 through #9, #15 Date Rig Released and #32 and/or #15). Attach this and the plat to the C-144 closure report in accordance with 1013.17.13.K NMAC. #87. AND MAN (MINISTER) MORROWING DEPERATION DEPERATION		Ū									Rosa Unit							
### ### ### ### ### ### ### ### ### ##	X COMPLETION	ON REPORT	Γ (Fill in boxes	s#1 throug	sh #31 fo	or State and Fee	wells only)				6. Well Numb	er:						
7. Type of Compelation: X NEW MEDIUS Production Company, LLC 8. Name of Operator Williams Production Company, LLC 10. Address of Operator Williams Production Company, LLC 11. Pool manue or Williams 12. Location Unit Ltr Section Township Ronge Lot Feet from the NS Line Feet from the RIO Basin Dakota 12. Location Unit Ltr Section Township Ronge Lot Feet from the NS Line Feet from the RIO Basin Dakota 12. Location Unit Ltr Section Medius Company, LLC 13. Date Spadded Feet Rio Manue RIO RIO Research Production RIO										l/or	Rosa Unit #15	2D						
New Well.			the C-144 clos	sure report	in acco	rdance with 19.1	15.17.13.K N	MA	C)									
11. Pool name or Wildcat Basin Dakota			ORKOVER [DEEPE!	NING	□PLUGBACK	DIFFE	REN	T RESERV	OIR	OTHER							
Pasin Dakota Pasi	8. Name of Opera	ator Willi	ams Producti	on Comp	any, Ll	LC					9. OGRID	120	0782					
Pasin Dakota Pasi	10. Address of O	nerator	P.O. Box	640 Azte	c NM	87410				\dashv	11. Pool name	or Wi	ldcat					
13. Date Spudded 14. Date T.D. Reached 15. Date Rig Released 16. Date Completed (Rendy to Produce) 17. Elevations (DF and RRB, AF, GR, Get.) 20. Was Directional Survey Made? 17. Elevations (DF and RRB, RF, GR, Get.) 20. Was Directional Survey Made? 17. Elevations (DF and RRB, RF, GR, Get.) 21. Type Electric and Other Logs Rnt. Amy Indiation. Compensated (GR. Date Completed (Rendy to Produce) 17. Elevations (DF and RRB, RF, GR, Get.) 21. Type Electric and Other Logs Rnt. Amy Indiation. Compensated (GR. Date Completed (Rendy to Produce) 17. Elevations (DF and RRB, RF, GR, Get.) 21. Type Electric and Other Logs Rnt. Amy Indiation. Compensated (GR. Date Completed (Rendy to Produce) 22. Produce (Rendy to Produce) 23.		p.c.a.o,	.,,,,	0.0,	•,	0,110					Basin Dakota							
13. Date Spudded 14. Date T.D. Reached 15. Date Rig Released 16. Date Completed (Rendy to Produce) 17. Elevations (DF and RRB, AF, GR, Get.) 20. Was Directional Survey Made? 17. Elevations (DF and RRB, RF, GR, Get.) 20. Was Directional Survey Made? 17. Elevations (DF and RRB, RF, GR, Get.) 21. Type Electric and Other Logs Rnt. Amy Indiation. Compensated (GR. Date Completed (Rendy to Produce) 17. Elevations (DF and RRB, RF, GR, Get.) 21. Type Electric and Other Logs Rnt. Amy Indiation. Compensated (GR. Date Completed (Rendy to Produce) 17. Elevations (DF and RRB, RF, GR, Get.) 21. Type Electric and Other Logs Rnt. Amy Indiation. Compensated (GR. Date Completed (Rendy to Produce) 22. Produce (Rendy to Produce) 23.	12 Location	Unit Ltr	Section	Towns	hin	Range	Lot		Feet from	the	N/S Line	Feet	from the	T F/W	Line	County		
13. Date Sputded		-	-			111111111111111111111111111111111111111	201					1		+				
15. Date Spudded		M	36	32N		6W			550		SOUTH	450		WES	Т	ARRIBA		
7-6-09	BH:																	
7-6-09	, .	d 14. Date				Released	L			leted	(Ready to Proc	luce)						
S052' S041' MD																		
22. Producing Interval(s), of this completion - Top, Bottom, Name BASIN DAKOTA: 7912*8037'		ed Depth of V	Well			k Measured Dep	pth	1		tional	Survey Made?	?						
22. Producting Interval(s), of this completion - Top, Bottom, Name BASIN DAKOTA: 7912'-8037' 29. SXS - SUFface 10.3/4" 40.5# 312' 14.3/4" 29. SXS - SUFface 7-5/8" 26.4# 36.86' 9.7/8" 595 SXS - SUFface 5-1/2" 17# 8048' 6-3/4" 345 SXS - SUFface 345 SXS - SUFface 5-1/2" 17# 8048' 6-3/4" 345 SXS - SUFface 345 SXS - SUFface 5-1/2" 17# 8048' 6-3/4" 345 SXS - SUFface 5-1/2" 17# 8048' 17*	0002			0011	MID			'''					Density-	-Neutro	n,Temp, l			
23.	22 Producing Int	tamual(a) of th	ia aammiation	Ton Pot	tom No			<u> </u>					Gas Det	ector, C	BL			
CASING RECORD (Report all strings set in well) CASING SIZE WEIGHT LB.FT. DEPTH SET HOLE SIZE CEMENTING RECORD AMOUNT PULLED	BASIN DAKOT	a: 7912'-80	37'	- 10p, B 0t	tom, Na	ime												
CASING SIZE											•		_					
10-3/4"	23.				CAS	ING REC	ORD (F	Repo	ort all st	ring	gs set in w	ell)						
7-5/8" 26.4# 3686' 9-7/8" 595 sxs - surface														A.	MOUNT	PULLED		
S-1/2" 17# 8048' 6-3/4" 345 xss - 3340' cbl		·																
24. LINER RECORD SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 2.375°, 4.7#, J-55 7962' No 2.6. Perforation record (interval, size, and number) Basin Dakota: Total of 78, 0.34" holes 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 7912-8037' 5100# 100 mesh & 121,600# 40/70 28. PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Commingled with Mancos & Mesaverde per AZT-3228 Date of Test Hours Tested Choke Size Prod'n For Test Period Test Period 29. Disposition of Gas (Sold, used for fuel, vented, etc.) 29. Disposition of Gas (Sold, used for fuel, vented, etc.) 30. Test Witnessed By Buddy Banks 31. List Attachments 32. If a temporary it was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:																		
SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 2.375", 4.74", J-55 7962" No 26. Perforation record (interval, size, and number) Basin Dakota: Total of 78, 0.34" holes PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Commingled with Mancos & Mesaverde per AZT-3228 PRODUCTION Date of Test Hours Tested Choke Size Prod'n For Oil - Bbl Gas - MCF Water - Bbl. Gas - Oil Ratio 9-23-09 2 1/2" Flow Tubing Pressure Press. 0 560 lb 840 mcf/d 840 mcf/d Size Production of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:	3-1/2					8048			0-3/4		343 SXS - 3	3340	CDI					
SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 2.375", 4.74", J-55 7962" No 26. Perforation record (interval, size, and number) Basin Dakota: Total of 78, 0.34" holes PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Commingled with Mancos & Mesaverde per AZT-3228 PRODUCTION Date of Test Hours Tested Choke Size Prod'n For Oil - Bbl Gas - MCF Water - Bbl. Gas - Oil Ratio 9-23-09 2 1/2" Flow Tubing Pressure Press. 0 560 lb 840 mcf/d 840 mcf/d Size Production of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:													_		-			
SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 2.375", 4.74", J-55 7962" No 26. Perforation record (interval, size, and number) Basin Dakota: Total of 78, 0.34" holes PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Commingled with Mancos & Mesaverde per AZT-3228 PRODUCTION Date of Test Hours Tested Choke Size Prod'n For Oil - Bbl Gas - MCF Water - Bbl. Gas - Oil Ratio 9-23-09 2 1/2" Flow Tubing Pressure Press. 0 560 lb 840 mcf/d 840 mcf/d Size Production of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:	24.				LIN	ER RECORD	,\			25.	Т	UBIN	IG REC	ORD				
26. Perforation record (interval, size, and number) Basin Dakota: Total of 78, 0.34" holes PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Commingled with Mancos & Mesaverde per AZT-3228 Date of Test Hours Tested Choke Size Production Flow Tubing Pressure Sol 1b Sol		TOP	В	ОТТОМ			ENT SCI	REEN	1	SIZ	E				PACK	ER SET		
Basin Dakota: Total of 78, 0.34" holes DePTH INTERVAL AMOUNT AND KIND MATERIAL USED										2.3	75", 4.7#, J-55	79	62'		No			
Basin Dakota: Total of 78, 0.34" holes DePTH INTERVAL AMOUNT AND KIND MATERIAL USED	26 5 6	<u> </u>						, -	- C	L								
Basin Dakota: Total of 78, 0.34" holes PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Commingled with Mancos & Mesaverde per AZT-3228 Date of Test Hours Tested 9-23-09 2 Hour Rate 1560 lb 16 Calculated 24-Hour Rate 1560 lb 17 Calculated 24-Hour Rate 1560 lb 18 40 mcf/d 18 10 mcsh & 121,600# 40/70 Well Status (Prod. or Shut-in) Waiting on tie in Water - Bbl. Gas - Oil Ratio Gas - Oil Gravity - API - (Corr.) Oil Gravity - API - (Corr.) See pit permit 33. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:	26. Perforation	record (inter	val, size, and n	number)														
28. PRODUCTION Date First Production Method (Flowing, gas lift, pumping - Size and type pump) Commingled with Mancos & Mesaverde per AZT-3228 Date of Test Hours Tested Choke Size Prod'n For Test Period 9-23-09 2 Y2' Test Period Size Prosing Pressure Prod'n For Test Period 9-25 Material Press. Calculated 24- Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) Press. 60 lb 8-40 met/d Size B40 met/d Size Size Prod'n For Test Period 9-25 Material Press. 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:	Basin Dakota: T	otal of 78, 0.3	34" holes															
Date of Test Hours Tested Choke Size Prod'n For Test Period Seas - MCF Water - Bbl. Gas - Oil Ratio 9-23-09 2 1/2" Calculated 24- Hour Rate 840 mcf/d Sold, used for fuel, vented. etc.) 29. Disposition of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments Prod'n for Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:							'	0			2 2 3 3 / 1 3 0			.,	. 5, 10			
Date of Test Hours Tested Choke Size Prod'n For Test Period Seas - MCF Water - Bbl. Gas - Oil Ratio 9-23-09 2 1/2" Calculated 24- Hour Rate 840 mcf/d Sold, used for fuel, vented. etc.) 29. Disposition of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments Prod'n for Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:									····									
Date of Test Hours Tested Choke Size Prod'n For Test Period Press. Prod'n For Test Period Press. Colculated 24- Hour Rate 840 mcf/d Press. Disposition of Gas (Sold, used for fuel, vented, etc.) See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial: Water - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) Water - Bbl. Oil Gravity - API - (Corr.) Water - Bbl. Oil Gravity - API - (Corr.) Say - MCF Water - Bbl. Oil Gravity - API - (Corr.) Water - Bbl. Oil Gravity - API - (Corr.) Water - Bbl. Oil Gravity - API - (Corr.) Say - MCF Water - Bbl. Oil Gravity - API - (Corr.) Water - Bbl. Oil Gravity - API - (Corr.) Say - MCF Water - Bbl. Oil Gravity - API - (Corr.) Water - Bbl. Oil Gravity - API - (Corr.) Say - MCF Water - Bbl. Oil Gravity - API - (Corr.)	28.																	
Date of Test Hours Tested Choke Size Prod'n For Test Period 9-23-09 2	Date First Produc	etion							d type pump)		,	l. or Shut-	-in)				
9-23-09 2 Flow Tubing Pressure Calculated 24- Hour Rate 840 mcf/d 29. Disposition of Gas (Sold, used for fuel, vented, etc.) vented 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:			Com	iingled wi	ın Mane	cos & Mesaverd	e per AZT-	0228			waiting on	ue m						
9-23-09 2 V2" Flow Tubing Pressure Calculated 24- Hour Rate 840 mcf/d Sold, used for fuel, vented. etc.) 29. Disposition of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:	Date of Test	Hours Te	sted C	hoke Size		1	Oil	- Bbl		Gas	s - MCF	Wa	ter - Bbl.		Gas - C	Dil Ratio		
Flow Tubing Pressure Calculated 24- Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) Press. 560 lb 840 mcf/d 30. Test Witnessed By ented 29. Disposition of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:	9-23-09	2	1/	, · · · · · · · · · · · · · · · · · · ·		Test Period												
29. Disposition of Gas (Sold, used for fuel, vented, etc.) 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:			ressure C	Calculated 2	24-	Oil - Bbl.		Gas	- MCF	'	Water - Bbl.	<u> </u>	Oil Gra	vity - A	Pl - (Cor	r.)		
29. Disposition of Gas (Sold, used for fuel, vented, etc.) 29. Disposition of Gas (Sold, used for fuel, vented, etc.) 30. Test Witnessed By Buddy Banks 31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:		560 lb											l					
31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:		i				<u> </u>				_								
31. List Attachments 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:		of Gas (Sold, 1	ised for fuel, ve	ented, etc.)			•							essed By	/			
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:		ents											-					
See pit permit 33. If an on-site burial was used at the well, report the exact location of the on-site burial:	JI. DISI ALIAUIIIII							•										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:		y pit was used	at the well, at	tach a plat	with th	e location of the	temporary	pit.					-					
	33. If an on-site l	burial was use	ed at the well, r	eport the e	exact loc	cation of the on-s	site burial:											
			,			Latitude					Longitude				NA	D 1927 1983		

Submit To Appropri Two Copies	riate District O	ffice	Г.	State of New Mexico								Form C-105 July 17, 2008							
District I 1625 N. French Dr. District II			Ene	Energy, Minerals and Natural Resources								1. WELL API NO.							
1301 W. Grand Av District III	enue, Artesia, l	NM 88210		Oil Conservation Division								30-039-30778 2. Type of Lease							
1000 Rio Brazos R District IV	d., Aztec, NM	87410	1220 South St. Francis Dr.							STATE X FEE FED/INDIAN									
1220 S. St. Francis					Santa Fe, N					3. State Oil &									
		TION C	R RECC	MPL	ETION REF	PORT	AND L	.OG											
4. Reason for fill	ing:									5. Lease Nam Rosa Unit	e or Ur	11t Agree	ement N	ame					
· .		,	_		or State and Fee w	•	,			6. Well Numb	эег:								
#33; attach this a	nd the plat to				ough #9, #15 Dated			1 #32 and/	or 1	Rosa Unit #15	2D	-			<u></u>				
	/ELL W				□PLUGBACK	☐ DIFFI	ERENT F	RESERVO		OTHER_									
8. Name of Opera	ator Willi	ams Produ	ction Comp	any, Li	LC				9	9. OGRID	120	782							
10. Address of O	perator	P.O. Bo	ox 640, Azte	c, NM	87410					11. Pool name Basin Mancos		dcat							
12.Location	Unit Ltr	Section	Towns	hip	Range	Lot	F	eet from tl	he 1	N/S Line	Feet	from the	E/W	Line	County				
Surface:		2.6	2011	•						COLUMN	450		Fa		RIO				
вн:	<u> </u>	36	32N		6W	· · · · · · · · · · · · · · · · · · ·	5:	50		SOUTH	450	,	WES	1	ARRIBA				
13. Date Spudded	d 14. Date	T.D. Reache 7-17-09	ed 15. I 7-19		Released		16. Da		eted (Ready to Proc	luce)			tions (DF etc.) 634	and RKB,				
18. Total Measur	ed Depth of		19. F	Plug Bac	k Measured Dept	:h			ional	Survey Made	·	21. Ty	pe Electi	ric and O	ther Logs Run				
8052'			8041	' MD			NO					Density		n,Temp,	nsated GR- Ultra Sonic				
22. Producing Int BASIN MANCO																			
23.	·			CAS	ING RECO	ORD (ings										
CASING SI 10-3/4"		WEIGHT 40.5			DEPTH SET 312'	-	HOLE 14-3		_	CEMENTIN 290 sxs			A	MOUNT	PULLED				
7-5/8"		26.4			3686'	<u> </u>	9-7			595 sxs									
5-1/2"		17			8048'		6-3	/4"		345 sxs – 3									
						-				· · · · ·									
24.				LIN	ER RECORD				25.	Т	UBIN	G REC	ORD						
SIZE	TOP		BOTTOM	,	SACKS CEMENT SCRE			SIZE			DEPTH SET								
	- .	<u>-</u>			<u></u>				2.37	5", 4.7#, J-55	790	62'		None					
26. Perforation	record (inter	rval. size. an	d number)		<u> </u>	27	ACID	SHOT	FRA	CTURE, CE	MEN	T SOL	FFZF	FTC					
		, , -						TERVAL		AMOUNT A									
Upper Mancos: 'Lower Mancos:							320'-70			5000# 100									
						71	51'-72	86'		5000# 100	mest	1 & 10	8,893#	40/70					
28.	<u> </u>				· · ·	PROD	UCTI	ON											
Date First Produc	etion				owing, gas lift, pur everde & Dakota p	mping - S	lize and ty)	Well Status Waiting on	,	or Shu	t-in)						
Date of Test	Hours Te	ested	Choke Size		Prod'n For	Oi	l - Bbl		Gas -	- MCF	Wa	ter - Bbl	 l.	Gas - C	Dil Ratio				
9-23-09	2		1/2"		Test Period														
Flow Tubing Press.	Casing P	ressure	Calculated 2 Hour Rate 1295 mcf/d		Oil - Bbl.		Gas - M	ICF	W	ater - Bbl.		Oil Gra	avity - A	PI - (Cor	r.)				
29. Disposition o		used for fue)									30. Ta	est Witn	essed By	, .					
vented 31. List Attachme	,											y Banks							
51. LIST Attachm	CHIS																		
See pit permit	•		•		e location of the t		•												
33. If an on-site l	ourial was use	ed at the wel	l, report the e	exact loc	cation of the on-si	te burial:		-		Longit				27.4	D 1027 1092				
					Latitude					Longitude				INA	D 1927 1983				

j.																	
Submit To Appropr Two Copies	ate District O	ffice		State of New Mexico						Form C-105							
District I 1625 N. French Dr	Hobbs NM 8	En	Energy, Minerals and Natural Resources						July 17, 2008								
District II										1. WELL API NO. 30-039-30778							
1301 W. Grand Ave District III					l Conserva					2. Type of Lease							
1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 South St. Francis Dr.										STATE X FEE FED/INDIAN							
1220 S. St. Francis Dr., Santa Fe, NM 87505 WELL COMPLETION OR RECOMPLETION REPORT AND LOG										3. State Oil & Gas Lease No.							
		TION C	OR RECO	<u>MPL</u>	ETION RE	POF	RT AN	D LOG					 .				
4. Reason for fili	ng:									Lease Nam Rosa Unit	e or Unit Agi	reement l	Name				
X COMPLETIC	N REPOR	T (Fill in bo	oxes #1 throug	sh #31 f	or State and Fee	wells	only)			6. Well Numb	per:						
C-144 CLOS	URE ATTA	CHMENT	(Fill in boxe	es #1 the	ough #9, #15 D	ate Rig 15.17.1	Release	d and #32 and AC)	nd/or	Rosa Unit #15	2D						
7. Type of Comp	letion:								VOID	Потигр							
8. Name of Opera			action Comp		□PLUGBACK LC	<u> </u>	HFFERE.	VI KESEK	VOIR	OTHER 9. OGRID	120782						
10. Address of Op	erator	P.O. B	ox 640, Azte	c, NM	87410			-		11. Pool name	or Wildcat						
										Blanco Mesav	erde						
12.Location	Unit Ltr	Section	Towns	hip	Range	Lot		Feet from	the	N/S Line	Feet from t	he E/W	Line	County			
Surface:		İ.,				1								RIO			
BH:	M	36	32N		6W	 		550		SOUTH	450	WE	ST	ARRIBA			
		<u> </u>			<u> </u>												
7-6-09	7-6-09 7-17-09 7-19-09 9-3							24-09		l (Ready to Prod		RT, GR.	etc.) 634				
18. Total Measure 8052'	ed Depth of V	Well		lug Bac ' MD	ck Measured De	pth	20 N		ctiona	al Survey Made				ther Logs Run nsated GR-			
0032							'`				Densi	ty-Neutro	on,Temp,	Ultra Sonic			
22. Producing Inte	erval(s), of th	his complet	ion - Top, Bot	tom, Na	ame						Gas L	Detector,	CBL				
BLANCO MESA			.,														
23.				CAS	ING REC	ORI	(Rep	ort all s	trin	gs set in w	ell)						
CASING SIZ	E .	WEIGHT			DEPTH SET			OLE SIZE		CEMENTIN		- A	MOUNT	PULLED			
7-5/8"		40. 26.			312' 14-3/4" 3686' 9-7/8"				290 sxs - surface 595 sxs - surface								
5-1/2"		17		8048'				6-3/4"		345 sxs – 3340' cbl							
									.,				_				
SIZE	ТОР		воттом	LIN	ER RECORD SACKS CEM	IENT	SCREE	N	25.		UBING RE		DACK	ER SET			
SIZL	101		BOTTOM		SACKS CLIVI	LUIVI	SCILL	IN.	_	375", 4.7#, J-55	7962 [°]	<u></u>	None				
									T								
26. Perforation	record (inter	val, size, ar	nd number)							ACTURE, CE							
Upper MV: Total							5173-	INTERVA 5527'	L	79,800# 20			AL USED				
Lower MV: Total	of 71, 0.34°	holes					5572			80,700# 20							
28.								TION									
Date First Product	ion				owing, gas lift. p cos & Dakota pe			nd type pum	p)	Well Status Waiting on	(Prod. or Sh tie in	ut-in)					
Date of Test	Hours Te	sted	Choke Size		Prod'n For Test Period		Oil - Bl	ol	Gas	s - MCF	Water - B	bl.	Gas - 0	Dil Ratio			
9-23-09	2		1/2"		011 011		~		<u> </u>								
Flow Tubing Press.	Casing Pr	ressure	Calculated 2 Hour Rate	24-	Oil - Bbl.		Gas	- MCF	1	Water - Bbl.	Oil C	iravity - A	API <i>- (Coi</i>	<i>T.)</i>			
0	560 lb		1365 mcf/d														
29. Disposition of vented	Gas (Sold, u	ised for fue	l, vented, etc.)		I		l				30. Test Wit Buddy Bank		у				
31. List Attachme	nts																
22.16		1 04 41:	atta-li i 1 ·		o logotice i titi						·						
32. If a temporary See pit permit	•		•			•	• •										
33. If an on-site b	ırıal was use	ed at the we	n, report the c	xact loc		site bui	nai:			,				D 1027 1022			
L .					Latitude					Longitude			NA	D 1927 1983			

District II 1625 N. French Cr., Hoots, NW B8240

State of New Mexico Grangy, Mingraid & Moturo: Rescirbes; Department

Form C-932 Herised Dotaber 192-2005 Instructions on and Appropriate District Comma

District II 3901-00 Green Avenue, Antesia, NK BERID Gustnict III. 3000 The Brazes RC. Adles. NM 03440

DIL CONSESVATION DIVISION 1220 South St. Proncis Dr. Santa He. NM 87505 Scient to Appropriate Dislator (France) State (Sease - 4 Congres Fee (Janse - 3 Conjus

Doğumlar (IV 1990-5 St. Magnitis (Dr. Sagis Fe, NM 37505

MENOSO REPORT

TWELL LOCATION AND MCHEAGE DEDICATION CALAIN

'API Moyber	'Padi é 97252 / 783;		EIN MANCOS / E	PCC1 NEW Y BLAMAC MESAVEFCE / HARRY DAKCT.							
1960arty Cáda 17035	·		the Mone UNIT		40 Minisor 4520						
пэнія ка. 120762		*Uperator Name: WILLIAMS PRODUCTION COMPANY									
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	22 Bytetun	Helm Location	If Different	โกวก Surf	ace:						
II. fan Hat. ma. 🕴 Reglygg	Trienghigh	Lat Din Frey from the	Mary Ny Soudi (Said)	Bagb from the	blat/Mai: Wis'	Gaun _{(P})					
),0, Acres — (N)	(2)	_{W.} Could spin from the same of the same	^M ichos) Mic	<u> </u>	1					

AD ALLOWABLE WILL BE ASSIGNED TO 1919 COMPLETION UNTIL ALL INTERESTS HAVE BEEN DONSOLIDATED ON A NON-STANDARD UNIT WAS BEEN APPROVED BY THE DIVISION

