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

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

Form C-144
July 21, 2008

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

7469

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

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

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

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

1.
Operator Williams Operating Co, LLC OGRID # 120782
Address PO Box 640 / 721 S Main Aztec, NM 87410
Facility or well name JAECO 28-3-20 #11
API Number 30-039-30596 OCD Permit Number
U/L or Qtr/Qtr H Section 20 Township 28N Range 03W County Rio Arriba
Center of Proposed Design Latitude 36° 37' 40 03628" N Longitude 107° 10' 6 15058" N NAD. ☐1927 ☒ 1983
Surface Owner ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2
☒ **Pit:** Subsection F or G of 19 15 17 11 NMAC
Temporary: ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☒ Lined ☐ Unlined Liner type Thickness 20 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other
☒ String-Reinforced
Liner Seams: ☒ Welded ☒ Factory ☐ Other Volume. 18,000 bbl Dimensions. L 140' x W 60' x D 12'

3
☐ **Closed-loop System:** Subsection H of 19 15 17 11 NMAC
Type of Operation ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other
☐ Lined ☐ Unlined Liner type Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
Liner Seams ☐ Welded ☐ Factory ☐ Other

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4.
☐ **Below-grade tank:** Subsection I of 19 15 17 11 NMAC
Volume bbl Type of fluid
Tank Construction material
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type. Thickness mil ☐ HDPE ☐ PVC ☐ Other

5
☐ **Alternative Method:**

43

Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

6

Fencing: Subsection D of 19 15.17 11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☒ Alternate. Please specify Per Tribal Specifications

7

Netting: Subsection E of 19.15.17 11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other

☐ Monthly inspections (If netting or screening is not physically feasible)

8

Signs: Subsection C of 19.15.17 11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19 15 3 103 NMAC

9

Administrative Approvals and Exceptions:

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

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

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

☐ Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

10

Siting Criteria (regarding permitting): 19 15 17 10 NMAC

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

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

11.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC
☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
☒ Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15 17 12 NMAC
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number _____ or Permit Number _____

12

Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19 15.17 9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17 9
☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17 10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15 17 11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15 17.9 NMAC and 19 15.17.13 NMAC

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

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

13

Permanent Pits Permit Application Checklist: Subsection B of 19 15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15 17 10 NMAC
☐ Climatological Factors Assessment
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15 17 11 NMAC
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19 15.17.11 NMAC
☐ Leak Detection Design - based upon the appropriate requirements of 19 15 17 11 NMAC
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15 17 11 NMAC
☐ Quality Control/Quality Assurance Construction and Installation Plan
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15.17 11 NMAC
☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
☐ Emergency Response Plan
☐ Oil Field Waste Stream Characterization
☐ Monitoring and Inspection Plan
☐ Erosion Control Plan
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17.9 NMAC and 19 15 17 13 NMAC

14

Proposed Closure: 19 15 17 13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

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

Proposed Closure Method
☐ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☒ On-site Closure Method (Only for temporary pits and closed-loop systems)
☒ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15

Waste Excavation and Removal Closure Plan Checklist: (19 15 17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17 13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15 17 13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17 13.D NMAC)
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name _____ Disposal Facility Permit Number. _____

Disposal Facility Name _____ Disposal Facility Permit Number _____

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

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

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

- ☐ Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19 15 17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17.13 NMAC

17.

Siting Criteria (regarding on-site closure methods only): 19 15 17 10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

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

18

On-Site Closure Plan Checklist: (19 15 17 13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15 17 13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17.11 NMAC

☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15 17 11 NMAC
☒ Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC
☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC
☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17 13 NMAC
☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC
☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17.13 NMAC

19.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief

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

Signature. Date.

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

20
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure ~~Plan (only)~~ ☐ OCD Conditions (see attachment)

OCD Representative Signature: Jonathan D. Kelly **Approval Date:** 9/02/2011

Title: Compliance Officer **OCD Permit Number:**

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** 10/19/2010

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 *will not* be used for future service and operations?
☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations
☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

24.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***
☐ Proof of Closure Notice (surface owner and division)
☐ Proof of Deed Notice (required for on-site closure)
☐ Plot Plan (for on-site closures and temporary pits)
☐ Confirmation Sampling Analytical Results (if applicable)
☐ Waste Material Sampling Analytical Results (required for on-site closure)
☐ Disposal Facility Name and Permit Number
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique
☐ Site Reclamation (Photo Documentation)
On-site Closure Location Latitude Longitude 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). Tasha Meador Title EH+S Coordinator

Signature Tasha Meador Date 12/22/10

e-mail address tasha.meador@williams.com Telephone. 634-4241

Williams Production Co., LLC
San Juan Basin: New Mexico Assets
Temporary Pit In-place (50-100 ft to Groundwater) Closure Report
Drilling/Completion and Workover

Well: **JAECO 28-3 20 #011**
API No: 30-039-30596
Location: H-S20-T28N-R03W, 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) 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

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

A Bowl Decanter Centrifugal was used to aid in the liquid removal To the extent practical, free liquids were pulled from the reserve pit following the completion rigoff Haul dates were from 4/13/2010 Rosa Unit SWD #1 (Order: SWD-916, API:30-039-27055)

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.B are met

On-site burial plan for this location was approved by the Aztec District Office on (2/20/2009)

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, re-contoured and reseeding in progress

Drill rig-off (4/11/2010). Request for transfer to completion rig submitted (7/29/2010) to OCD Aztec District Office .Completion rig-off 7/20/2010. Pit covered (11/25/2010). 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)

The Aztec District Office of NMOCD was notified by email using a format acceptable to the District Copies of the notification from Abode Contractors on (9/23/2010) 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 The shallow surface soils of the unlined flare/cavitation pit will be scrapped and placed in the lined pit. 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), a release will be reported to NMOCD in compliance with Rule 116 and additional soil removal will be done until closure criteria are met.

A five-point composite sampling was taken of the flare 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

8 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 (11/25/2010)

9 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 Between 50-100 bgs.

Components	Testing Methods	Limits (mg/Kg)	Pit (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2	ND
BTEX	EPA SW-846 Method 8021B or 8260B	50	ND
TPH	EPA SW-846 Method 418 1	2500	ND
GRO/DRO	EPA SW-846 Method 8015M (GRO/DRO)	500	55.1
Chlorides	EPA SW-846 Method 300 1	500	90

10. Upon completion of solidification and testing, the pit area will be backfilled with non-waste earthen material compacted to native conditions to enable effective re-vegetation 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.

Upon completion of solidification and testing, the pit area was backfilled with non-waste earthen 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.

11. Following cover, the site will be re-contoured 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 11/29/2010

12. 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.

13. 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 (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

14 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 on site 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 on site 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, S20-T28N-R03W-F, "Pit Burial" (photo attached). Steel marker set *(11/29/2010)*.

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

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

Form C-102
Revised June 10, 2003
Submit to Appropriate Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	72319	BLANCO MESAVERDE / BASIN DAKOTA

Property Code	Property Name	Well Number
	28-3 20	11

OGRID No.	Operator Name	Elevation
120782	JAECO - WPX	7237

Surface Location

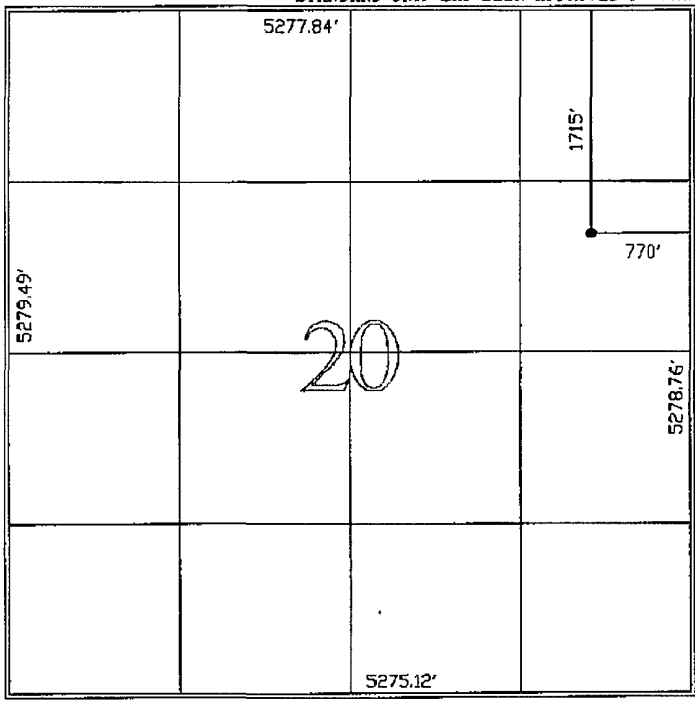
UL or Lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
H	20	28N	3W		1715	NORTH	770	EAST	RIO ARRIBA

Bottom Hole Location If Different From Surface

UL or Lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320 E/2			

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Title and E-mail Address

Date

SURVEYOR CERTIFICATION

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

MAY 25, 2007

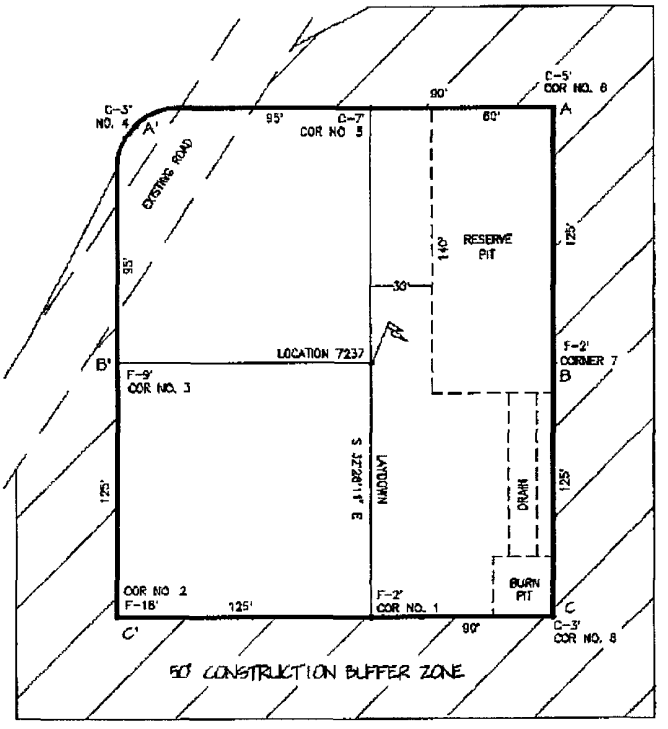
Date of Survey

Signature and Seal of Professional Surveyor

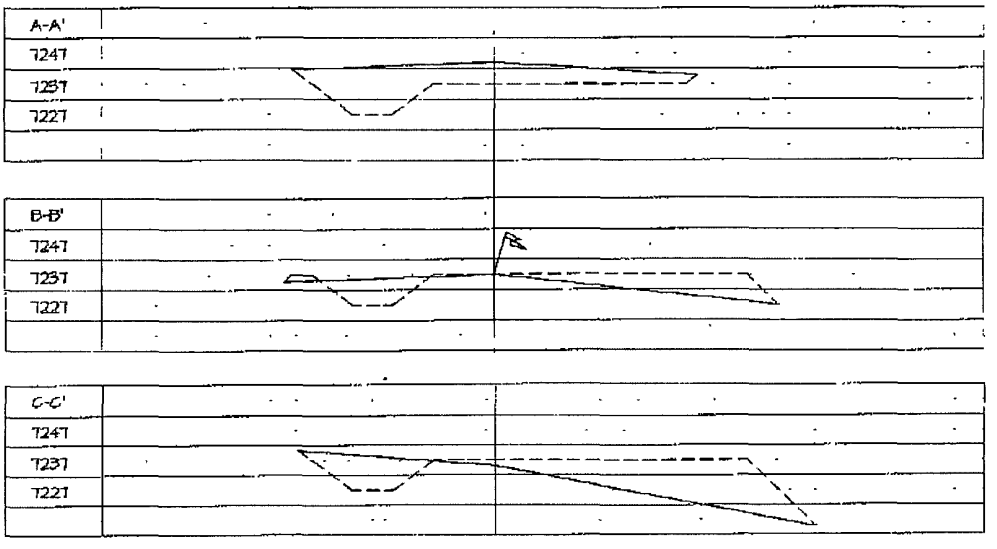
CECIL B. TULLIS
NEW MEXICO
9672
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate Number 9672

JAECO - WPX
28-3 20 #11
1715 FNL & 770 FEL
SECTION 20 T28N R3W NMPM
RIO ARRIBA COUNTY, NEW MEXICO
ELEVATION: 7237



LATITUDE: 36°37'40" N
LONGITUDE: 107°10'04" W
NGS 84'
VERT DATUM: NAD 1927



FILENAME: PINELAKE	SHEET 2 OF 3	High Country Surveys	DRAWN BY: CRT	CHECKED BY: CBT

Fields, Vanessa

From: johnny@adobecontractorsinc.com
Sent: Thursday, September 23, 2010 7:36 AM
To: Bryce Hammond; Gabriel Trujillo, Kurt Sandoval
Cc: Lane, Myke, Meador, Tasha; Fields, Vanessa, Lepich, Mark, Glen Shelby
Subject: Williams Clean ups Jaeco/ WPX 28-3 20 #11

We will be ready to start the clean up on the Jaeco/WPX 28-3 20 #11 early next week. Please let me know if you have any questions.

Thanks,

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

Fields, Vanessa

From: johnny@adobecontractorsinc.com
Sent: Thursday, September 23, 2010 7 38 AM
To: Brandon Powell
Cc: Lane, Myke; Meador, Tasha, Fields, Vanessa; Lepich, Mark, Glen Shelby
Subject: Williams Clean ups Jaeco/ WPX 28-3 20 #11

Brandon,
We will be ready to start the clean up on the Jaeco/ WPX 28-3 20 #11 early next week. Please let me know if you have any questions,

Thanks,

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

In Lieu of Form 3160-4 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5 LEASE DESIGNATION AND LEASE NO: 701-06-0016

6 IF INDIAN,ALLOTTEE OR: JAECO

7 UNIT AGREEMENT NAME:

1a TYPE OF WELL: Γ OIL WELL *X GAS WELL* DRY OTHER

b TYPE OF COMPLETION: *NEW WELL* WORKOVER DEEPEN **X PLUG BACK** DIFF RESVR OTHER

2 NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8 FARM OR LEASE NAME, WELL NO: JAECO-WPX 28-3 20 #011

3 ADDRESS AND TELEPHONE NO: P O Box 640, Aztec, NM 87410 (505) 634-4208

9 API WELL NO: 30-039-30596

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 1715' FNL & 770' FEL, Sec 20 (H), T28N, R3W
At top production interval reported below Same
At total depth Same

10 FIELD AND POOL, OR WILDCAT: BLANCO MV/BASIN MC/BASIN DK

11 SEC T,R M OR BLOCK AND SURVEY OR AREA: Sec 20, T28N, R3W

14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE
		Rio Arriba	New Mexico

15 DATE SPUDDED	16 DATE T D REACHED	17 DATE COMPLETED (READY TO PRODUCE)	18 ELEVATIONS (DK RKB RT GR,ETC)*	19 ELEVATION CASINGHEAD
3/20/10	4/9/10		7237' GR	

20 TOTAL DEPTH MD & TVD	21 PLUG BACK T D MD & TVD	22 IF MULTCOMP HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8720' MD	8309' MD	2		x	

24 PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP BOTTOM NAME (MD AND TVD)*
Basin DK – Too wet to produce – 41' of cement on top of CIBP set at 8350'

25 WAS DIRECTIONAL SURVEY MADE: NO

26 TYPE ELECTRIC AND OTHER LOGS RUN
Array Induction, Compensated GR-Density-Neutron

27 WAS WELL CORED: NO

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT CEMENTING RECORD	AMOUNT PULLED
10-3/4', J-55	40 5#	312'	14-3/4"	200 SX - SURFACE	
7-5/8", K-55	26 4#	4462'	9-7/8"	735 SX SURFACE	
4 5" N-80	11 6#	8717'	6-3/4"	600 SX – 4340' TOC	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30 TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31 PERFORATION RECORD (Interval size, and number)

Lower DK 30, 0 34" holes

32 ACID SHOT FRACTURE CEMENT SQUEEZE ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8436' – 8468'	These holes not fraced

33 PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS *(PRODUCING OR SI)*
NA		P&A'd

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)

34 DISPOSITION OF GAS (Sold used for fuel vented etc) TO BE SOLD

TEST WITNESSED BY Weldon Higgins

35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

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

SIGNED _____ TITLE Regulatory Specialist DATE 5/19/10

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals and all drill-stem tests including depth interval tested cushion used time tool open flowing and shut-in pressures and recoveries)					38 GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION CONTENTS ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						CLIFFHOUSE	5882'	
						POINT LOOKOUT	6210'	
						MANCOS	6611'	
						GRENEROS	8253'	
						DAKOTA	8406'	

In Lieu of Form 3160-4 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5 LEASE DESIGNATION AND LEASE NO: 701-06-0016

6 IF INDIAN ALLOTTEE OR: JAECO

7 UNIT AGREEMENT NAME:

1a TYPE OF WELL: Γ OIL WELL X GAS WELL DRY OTHER

b TYPE OF COMPLETION: X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER

2 NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8 FARM OR LEASE NAME, WELL NO: JAECO-WPX 28-3 20 #011

3 ADDRESS AND TELEPHONE NO: P O Box 640, Aztec, NM 87410 (505) 634-4208

9 API WELL NO: 30-039-30596

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 1715' FNL & 770' FEL, Sec 20 (H), T28N, R3W
At top production interval reported below Same
At total depth Same

10 FIELD AND POOL, OR WILDCAT: BLANCO MV/BASIN MC/BASIN DK

11 SEC T R M OR BLOCK AND SURVEY OR AREA: Sec 20, T28N, R3W

14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE
		Rio Arriba	New Mexico

15 DATE SPUDDED	16 DATE T D REACHED	17 DATE COMPLETED (READY TO PRODUCE)	18 ELEVATIONS (DK RKB, RT,GR ETC)*	19 ELEVATION CASINGHEAD
3/20/10	4/9/10		7237' GR	

20 TOTAL DEPTH, MD & TVD	21 PLUG BACK T D MD & TVD	22 IF MULTCOMP , HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8720' MD	8309' MD	2		x	

24 PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM NAME (MD AND TVD)*
Basin MC – 7290' – 7738' The MC production is shut in pending commingle authorization

25 WAS DIRECTIONAL SURVEY MADE: NO

26 TYPE ELECTRIC AND OTHER LOGS RUN
Array Induction, Compensated GR-Density-Neutron

27 WAS WELL CORED: NO

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT CEMENTING RECORD	AMOUNT PULLED
10-3/4", J-55	40 5#	312'	14-3/4"	200 SX - SURFACE	
7-5/8", K-55	26 4#	4462'	9-7/8"	735 SX SURFACE	
4 1/2", N-80	11 6#	8717'	6-3/4"	600 SX – 4340' TOC	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30 TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31 PERFORATION RECORD (Interval size and number)

Mancos 2nd 72, 0 34" holes

Mancos 1st (69, 0 34" holes)

32 ACID SHOT, FRACTURE, CEMENT SQUEEZE ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7290' – 7490'	Frac with 17,163# 100 mesh Ottawa sand followed with 44,131# of 30/50 Ottawa sand followed with 89,671# 20/40 Ottawa
7550' – 7738'	Frac with 13,044# 100 mesh Ottawa sand followed with 44,809# of 30/50 Ottawa sand followed with 93,706# 20/40 Ottawa

33 PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
6/8/10	flowing	SI

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)

34 DISPOSITION OF GAS (Sold used for fuel vented etc) TO BE SOLD

TEST WITNESSED BY

35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

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

SIGNED _____ TITLE Regulatory Specialist SR DATE 8/10/10

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof cored intervals and all drill-stem tests including depth interval tested cushion used time tool open, flowing and shut-in pressures and recoveries)					38 GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION CONTENTS ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						CLIFFHOUSE	5882`	
						POINT LOOKOUT	6210`	
						MANCOS	6611`	
						GRENEROS	8253`	
						DAKOTA	8406`	

In Lieu of Form 3160-4 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5 LEASE DESIGNATION AND LEASE NO: 701-06-0016

6 IF INDIAN ALLOTTEE OR: JAECO

7 UNIT AGREEMENT NAME:

1a TYPE OF WELL: ☐ OIL WELL X GAS WELL ☐ DRY ☐ OTHER

b TYPE OF COMPLETION: X NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

2 NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8 FARM OR LEASE NAME WELL NO: JAECO-WPX 28-3 20 #011

3 ADDRESS AND TELEPHONE NO: P O Box 640, Aztec, NM 87410 (505) 634-4208

9 API WELL NO: 30-039-30596

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 1715' FNL & 770' FEL, Sec 20 (H), T28N, R3W
At top production interval reported below Same
At total depth Same

10 FIELD AND POOL, OR WILDCAT: BLANCO MV/BASIN MC/BASIN DK

11 SEC T R M OR BLOCK AND SURVEY OR AREA: Sec 20, T28N, R3W

14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE
		Rio Arriba	New Mexico

15 DATE SPUDDED	16 DATE T D REACHED	17 DATE COMPLETED (READY TO PRODUCE)	18 ELEVATIONS (DK, RKB, RT GR,ETC)*	19 ELEVATION CASINGHEAD
3/20/10	4/9/10		7237' GR	

20 TOTAL DEPTH MD & TVD	21 PLUG BACK T D MD & TVD	22 IF MULTCOMP , HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8720' MD	8309 MD	2		x	

24 PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP BOTTOM NAME (MD AND TVD)*: Basin MV 6236 – 6389'

25 WAS DIRECTIONAL SURVEY MADE: NO

26 TYPE ELECTRIC AND OTHER LOGS RUN: Array Induction, Compensated GR-Density-Neutron

27 WAS WELL CORED: NO

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT CEMENTING RECORD	AMOUNT PULLED
10-3/4", J-55	40 5#	312'	14-3/4"	200 SX - SURFACE	
7-5/8", K-55	26 4#	4462'	9-7/8"	735 SX SURFACE	
4 1/2", N-80	11 6#	8717'	6-3/4"	600 SX – 4340' TOC	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30 TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31 PERFORATION RECORD (Interval size and number)

Mesaverde 44, 0 34" holes

32 ACID SHOT FRACTURE CEMENT SQUEEZE ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6236'-6389'	Frac with 89,784# 20/40 Ottawa w/SWNT

33 PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing gas lift pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
NA	flowing	SI

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)

34 DISPOSITION OF GAS (Sold used for fuel vented etc) TO BE SOLD

TEST WITNESSED BY

35 LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

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

SIGNED _____ TITLE Regulatory Specialist SR DATE 8/10/10

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem tests including depth interval tested cushion used tune tool open flowing and shut-in pressures and recoveries)

38 GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						CLIFFHOUSE	5882'	
						POINT LOOKOUT	6210'	
						MANCOS	6611'	
						GRENEROS	8253'	
						DAKOTA	8406'	

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	WPX	Project #:	04108-0136
Sample ID:	Reserve Pit	Date Reported:	11-29-10
Laboratory Number:	56558	Date Sampled:	11-19-10
Chain of Custody No:	10808	Date Received:	11-24-10
Sample Matrix:	Soil	Date Extracted:	11-24-10
Preservative:	Cool	Date Analyzed:	11-29-10
Condition:	Intact	Analysis Requested:	8015 TPH

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

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: **Jaeco/WPX 28-3 20 #11**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-29-10 QA/QC	Date Reported:	11-29-10
Laboratory Number:	56527	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-29-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	11-29-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	11-29-10	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

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

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	242	96.6%	75 - 125%
Diesel Range C10 - C28	ND	250	231	92.3%	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 56527-56529, 56558, 56561-56563**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0136
Sample ID:	Reserve Pit	Date Reported:	11-29-10
Laboratory Number:	56558	Date Sampled:	11-19-10
Chain of Custody:	10808	Date Received:	11-24-10
Sample Matrix:	Soil	Date Analyzed:	11-29-10
Preservative:	Cool	Date Extracted:	11-24-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**ND**	**1.0**
Ethylbenzene	**ND**	**1.0**
p,m-Xylene	**3.3**	**1.2**
o-Xylene	**3.7**	**0.9**
Total BTEX	**7.0**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**91.6 %**
	1,4-difluorobenzene	**116 %**
	Bromochlorobenzene	**103 %**

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: **Jaeco/WPX 28-3 20 #11**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	1129BBLK QA/QC	Date Reported:	11-29-10
Laboratory Number:	56560	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-29-10
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	3.3501E+005	3.3569E+005	0.2%	ND	0.1
Toluene	3.7994E+005	3.8070E+005	0.2%	ND	0.1
Ethylbenzene	3.4829E+005	3.4898E+005	0.2%	ND	0.1
p,m-Xylene	8.2477E+005	8.2643E+005	0.2%	ND	0.1
o-Xylene	2.9394E+005	2.9453E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	235	222	5.6%	0 - 30%	1.0
Ethylbenzene	71.9	70.5	1.9%	0 - 30%	1.0
p,m-Xylene	1,260	1,310	4.0%	0 - 30%	1.2
o-Xylene	336	344	2.3%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	591	118%	39 - 150
Toluene	235	500	703	95.6%	46 - 148
Ethylbenzene	71.9	500	650	114%	32 - 160
p,m-Xylene	1,260	1000	2,610	116%	46 - 148
o-Xylene	336	500	895	107%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 56560-56563, 56558**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	WPX	Project #:	04108-0136
Sample ID:	Reserve Pit	Date Reported:	11-24-10
Laboratory Number:	56558	Date Sampled:	11-19-10
Chain of Custody No:	10808	Date Received:	11-24-10
Sample Matrix:	Soil	Date Extracted:	11-24-10
Preservative:	Cool	Date Analyzed:	11-24-10
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**55.1**	**6.8**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Jaeco/WPX 28-3 20 #11**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	11-24-10
Laboratory Number:	11-24-TPH.QA/QC 56558	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	11-24-10
Preservative:	N/A	Date Extracted:	11-24-10
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	11-19-10	11-24-10	1,700	1,750	2.9%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.8

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	55.1	53.0	3.8%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	55.1	2,000	1,840	89.5%	80 - 120%

ND = Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for Samples 56553-56558**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

Chloride

Client:	WPX	Project #:	04108-0136
Sample ID:	Reserve Pit	Date Reported:	11-24-10
Lab ID#:	56558	Date Sampled:	11-19-10
Sample Matrix:	Soil	Date Received:	11-24-10
Preservative:	Cool	Date Analyzed:	11-24-10
Condition:	Intact	Chain of Custody:	10808

Parameter	Concentration (mg/Kg)
Total Chloride	**90**

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: **Jaeco/WPX 28-3 20 #11**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD

10808

Client: WPX	Project Name / Location: Jaco/WPX 28-3 20#11
Client Address: Myke Lane	Sampler Name: Glen Shelby
Client Phone No.:	Client No.: 04108-0130

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Reserve Pit	11-19-10	1:45PM	56558	(Soil) Solid Sludge Aqueous	1				✓	✓							✓	✓				Y	Y
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible signature]	11-24-10	9:50AM	Brenda Jhey	11-24-10	9:50AM
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

envirotech
Analytical Laboratory

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	API #: 30-039-30596

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Rig 741 has moved off location. Dawn trucking has started hauling pit water. Still have plenty of water left to haul.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 08-09-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	API #: 30-039-30596

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Dawn trucking has hauled most of pit water. Mud left mostly.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 08-16-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	**API #:** 30-039-30596

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Dawn trucking has hauled most of pit water. Mud left mostly.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 08-23-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	**API #: 30-039-30596**

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

Pit Liner intact (no visible tears)	☐ Yes ☒ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Inspected pit on 04-13-10. Everything looks good.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 04-26-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	API #: 30-039-30596

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

Pit Liner intact (no visible tears)	☐ Yes ☒ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Inspected pit on 04-13-10. Everything looks good. Rig has moved back to Jaeco 28-3-21 #001. This well is being set up for Mancos completion.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 05-24-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	API #: 30-039-30596

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

Pit Liner intact (no visible tears)	☐ Yes ☒ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Inspected pit on 04-13-10. Everything looks good. MCVIC on location trying to do green flow back on Mancos completion.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 05-30-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	API #: 30-039-30596

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

Pit Liner intact (no visible tears)	☐ Yes ☒ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Rig 741 back on location.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 06-20-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	API #: 30-039-30596

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

Pit Liner intact (no visible tears)	☐ Yes ☒ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Inspected pit on 04-13-10. Everything looks good. MCVIC on location trying to do green flow back.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 06-14-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	**API #: 30-039-30596**

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Rig 741 back on location.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 06-28-10	Phone: (505)947-4974	

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

Exploration & Production
San Juan Basin Operations

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

Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jaeco 28-3 20 #11	API #: 30-039-30596

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported to EH&S:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Does pit have oil or sheen on it?	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Rig 741 has moved off location. Dawn trucking has started hauling pit water. Still have plenty of water left to haul.		
Inspector Signature: Art L. Alsup		
Printed Name: Art L. Alsup		
Title: Senior field tech.		
Date: 08-02-10	Phone: (505)947-4974	

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


UNIT H SEC20
T28N R3W
RIO ARRIBA CO.
BURIAL

Exploration & Production
PO Box 640
Aztec, NM 87410
505/634-4219
505/634-4205 fax

Transmittal

To: Brandon Powell
NMOCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

From: Tasha Meador
San Juan- Permitting Technician
505-634-4241
tasha.meador@williams.com

Date:

Re: Supplemental Submittal

Temporary Pit Closure report: NMOCD Permit # 14469

Enclosed and per your direction, please find our supplemental submittal for the referenced temporary pit closure report.

Please advise if additional information is required. Thank you for your time and consideration. Please call or contact me if there are any questions.

Respectfully resubmitted,

Tasha Meador

Tasha Meador
Williams Exploration & Production
721 S Main Aztec, NM
Office: 505-634-4200
Direct:505-634-4241
Fax: 505-634-4205
tasha.meador@williams.com

Encl:

16

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

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

Disposal Facility Name _____ Disposal Facility Permit Number. _____

Disposal Facility Name _____ Disposal Facility Permit Number: _____

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

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

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

☐ Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC

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

RECEIVED
AUG 2011
OIL CONS. DIV DIST 3

17

Siting Criteria (regarding on-site closure methods only): 19 15 17 10 NMAC

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

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

18

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

☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17.10 NMAC

☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15.17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 11 NMAC

☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 11 NMAC

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

☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC

☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC

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

☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17.13 NMAC

☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC

☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

Submit To Appropriate District Office
Two Copies
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
July 17, 2008

1. WELL API NO.
30-039-30596

2 Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN

3 State Oil & Gas Lease NoSF-701-06-0016

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4 Reason for filing

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC)

5 Lease Name or Unit Agreement Name
JAECO

6 Well Number
JAECO 28-3 20 #011

7 Type of Completion
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8 Name of Operator WILLIAMS PRODUCTION, LLC

9 OGRID 120782

10 Address of Operator P O BOX 640 AZTEC, NM 87410

11 Pool name or Wildcat

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13 Date Spudded	14 Date T D Reached	15 Date Rig Released	16 Date Completed (Ready to Produce)	17 Elevations (DF and RKB, RT, GR, etc)
		7/13/2010		

18 Total Measured Depth of Well	19 Plug Back Measured Depth	20 Was Directional Survey Made?	21 Type Electric and Other Logs Run

22 Producing Interval(s), of this completion - Top, Bottom, Name

23 **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB /FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24 LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25 TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26 Perforation record (interval, size, and number)

27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio

Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - *(Corr)*

29 Disposition of Gas *(Sold, used for fuel, vented, etc)*

30 Test Witnessed By

31 List Attachments

32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit

33 If an on-site burial was used at the well, report the exact location of the on-site burial

Latitude 36 03628 Longitude 107 15058 NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Tasha Meador Printed Name

Signature Tasha Meador Title Permit Technician Date 8/29/11

E-mail Address. tasha.meador@williams.com

Temporary Pit Closure date for the JAECO 28-3 20 #11 was 10/19/2010.