District I

جمله

1625 N French Dr , Hobbs, NM 88240

District II

1301~W~ Grand Ave , Artesia,  $\stackrel{^{\backprime}}{N\!M}~88210$ 

District III

1000 Rio Brazos Rd, Aztec, NM 87410

District IV

State of New Mexico Energy Minerals and Natural Resources

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

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade

Form C-144

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

1220 S St Francis Dr , Santa Fe, NM 87505	appropriate NMOCD District Office
	Pit, Closed-Loop System, Below-Grade Tank, or
	sed Alternative Method Permit or Closure Plan Application
Type of action:	Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  X 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 app	plication (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
• • • • • • • • • • • • • • • • • • • •	this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the rete operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances
Operator: Burlington Resources Oil	& Gas Company, LP OGRID#: 14538
Address: P.O. Box 4289, Farmingto	n, NM 87499
Facility or well name: SAN JUAN 27	7-5 UNIT 903 , 906 & 907
API Number: 3003930299, 30	03930305, 3003930302 OCD Permit Number
U/L or Qtr/Qtr: G(SW/NE) Section	
Center of Proposed Design: Latitude:	
Surface Owner: X Federal	State Private Tribal Trust or Indian Allotment
X String-Reinforced  Liner Seams X Welded X Fac	ctory Other Volume: 4400 bbl Dimensions L 65' x W 45' x D 10'
Type of Operation P&A Drying Pad Above Groun Unlined Liner	
4 Below-grade tank: Subsection I	of 19 15 17 11 NMAC
Volumebb	1 Type of fluid.
Tank Construction material  Secondary containment with leak determined by the sidewalls and liner  Liner Type Thickness	of 19 15 17 11 NMAC  1 Type of fluid.  ection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls only Other  mil HDPE PVC Other
5 Alternative Method:	CCC 25 S E S E S E S E S E S E S E S E S E S
	ared 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 pit, 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							
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)							
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							
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 of the Santa Fe Environmental Bureau office for cons (Fencing/BGT Liner)  Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	ideration of ap	proval					
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 - 1WATERS database search; USGS, Data obtained from nearby wells	Yes	□No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, 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.	Yes	□No					
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	NA						
- 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					
(Applied to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐NA						
Within 500 horizonal 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.	Yes	No					
- NM Office of the State Engineer - 1WATERS 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 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					
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources, USGS; NM Geological Society, Topographic map</li> </ul>	Yes	No					
Within a 100-year floodplain - FEMA map	Yes	No					

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
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
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
Previously Approved Operating and Maintenance Plan API
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 (I) of Subsection B of 19.15 17.9 NMAC
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
Climatological Factors Assessment
Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
Dike Protection and Structural Integrity Design based upon the appropriate requirements of 19.15 17.11 NMAC
Leak Detection Design - based upon the appropriate requirements of 19.15 17 11 NMAC
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
Quality Control/Quality Assurance Construction and Installation Plan
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15 17.12 NMAC  Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Nuisance or Hazardous Odors, including H2S, Prevention Plan
Emergency Response Plan
Oil Field Waste Stream Characterization
Monitoring and Inspection Plan
Erosion Control Plan
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.179 NMAC and 19.15.17.13 NMAC
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
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 10.15.17.13 NIMAC.
Protocols and Procedures - based upon the appropriate requirements of 19 15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15.17.13 NMAC
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15.17.13 NMAC
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17 13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16							
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17 13.D NMAC) Instructions Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings Use attachment if more than two facilities are required							
Disposal Facility Name Disposal Facility Permit #							
Disposal Facility Name Disposal Facility Permit #							
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future  Yes (If yes, please provide the information No							
Required for impacted areas which will not be used for future service and operations  Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19 15 17 13 NM  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	AC						
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 certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to 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	Yes No						
- NM Office of the State Engineer - 1WATERS database search, USGS Data obtained from nearby wells	∏N/A						
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No						
- NM Office of the State Engineer - IWATERS database search; USGS, Data obtained from nearby wells	∏ <sub>N/A</sub>						
Ground water is more than 100 feet below the bottom of the buried waste	☐Yes ☐No						
- NM Office of the State Engineer - 1WATERS database search, USGS, Data obtained from nearby wells							
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)	Yes No						
- 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  - 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 fee of any other fresh water well or spring, in existence at the time of the 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	Yes No						
- US Fish and Wildlife Wetland Identification map, Topographic map; Visual inspection (certification) of the proposed site							
Within the area overlying a subsurface mine	Yes No						
- Written confiramtion or verification or map from the NM EMNRD-Mining and Mineral Division							
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 - FEMA map	Yes No						
On-Site Closure Plan Checklist: (19 15 17.13 NMAC) Instructions: Each of the following items must bee attached to the close by a check mark in the box, that the documents are attached.	sure plan. Please indicate,						
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	f 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							
L. 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) Title
Signature Date.
e-mail address: Telephone
20
OCD Approval: Permit Application (including closure play) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: 7/17/2011
Title: OCD Petrajit 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
X Closure Completion Date: August 27, 2009
22
Closure Method:
Waste Excavation and Removal X On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain
23
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
were utilized.
Disposal Facility Name Disposal Facility Permit Number
Disposal Facility Name Disposal Facility Permit Number
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
Yes (If yes, please demonstrate complilane to the items below)
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.
X   Proof of Closure Notice (surface owner and division)
Proof of Deed Notice (required for on-site closure)
X Plot Plan (for on-site closures and temporary pits)
X Confirmation Sampling Analytical Results (if applicable)
Waste Material Sampling Analytical Results (if applicable)
X Disposal Facility Name and Permit Number
X   Soil Backfilling and Cover Installation
X   Re-vegetation Application Rates and Seeding Technique
X Site Reclamation (Photo Documentation)
On-site Closure Location. Latitude 36.59106 °N Longitude 107.37971 °W NAD 1927 X 1983
Operator Closure Cartification
Operator Closure Certification:
I hereby certify that the information and attachments submitted with this closure report is ture, 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 Appecified in the approved closure plan.
. A
Name (Print). Marie E Jaramillo //// Title Staff Regulatory Tech
7 1 1 1 1 9 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1
Signature Date Date
e-mail address narie e jaramillo@conodophillips com Telephone 505-326-9865

Form C-144

# Burlington Resources Oil Gas Company, LP San Juan Basin Closure Report

Lease Name: SAN JUAN 27-5 UNIT 903, 906 & 907 API No.: 30-039-30299, 30-0039-30305, 30-039-30302

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144. The temporary pit for this location was constructed and location drilled before June 16, 2008 (effective date for Rule 19.15.17). While closure of the temporary pit did fall within the rule some dates for submittals are after the rig release date.

- Details on Capping and Covering, where applicable. (See report)
- Plot Plan (Pit Diagram) (Included as an attachment)
- Inspection Reports (Included as an attachment)
- Sampling Results (Included as an attachment)
- C-105 (Included as an attachment)
- Copy of Deed Notice will be filed with County Clerk (Not required on Federal, State, or Tribal land as stated by FAQ dated October 30, 2008)

# **General Plan:**

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division—approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.

All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B).

2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.

The pit was closed using onsite burial.

3. The surface owner shall be notified of BR's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested.

The closure process notification to the landowner was sent via email. (See Attached)(Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)

4. Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded.

Provision 4 of the closure plan requirements were not met due to rig move off date as noted on C-105 which was prior to pit rule change. Burlington will ensure compliance with this rule in the future.

- 5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

Notification is attached.

6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.

Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting liner at mud level and removing all remaining liner. Care was taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner was disposed of at a licensed disposal facility, (San Juan County Landfill).

7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.

Burlington mixed the Pit contents with non-waste containing, earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.

8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul.

A five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).

Components	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	2.1 ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	45.8 ug/kG
TPH	EPA SW-846 418.1	2500	84.0mg/kg
GRO/DRO	EPA SW-846 8015M	500	11.3 mg/Kg
Chlorides .	EPA 300.1	1000/560	160 mg/L

9.... Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. If standard testing fails BR will dig and haul all contents pursuant to 19.15.17.13.i.a. After doing such, confirmation sampling will be conducted to ensure a release has not occurred.

The pit material passed solidification and testing standards. The pit area was then backfilled with compacted, non-waste containing, earthen material. More than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

10. During the stabilization process if the liner is ripped by equipment the Aztec OCD office will be notified within 48 hours and the liner will be repaired if possible. If the liner can not be repaired then all contents will be excavated and removed.

The integrity of the liner was not damaged in the pit closure process.

11. Dig and Haul Material will be transported to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011

Dig and Haul was not required.

12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final recontour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The pit area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Reshaping included drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final recontour has a uniform appearance with smooth surface, fitting the natural landscape.

13. Notification will be sent to OCD when the reclaimed area is seeded.

Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

14. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will used on federal lands. 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 maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

Provision 14 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

15. 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 the 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 operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

Provision 15 was accomplished by installing a steel marker in the temporary pit, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial. The marker is flush with the ground to allow access of the active well pad and for safety concerns. The top of the marker contains a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate contains the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

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 following operator's information at the time of all wells on the pad are abandoned. The riser will be labeled: BR, BLM, SAN JUAN 27-5 UNIT 903,906, & 907, UL-G, Sec. 8, T 27N, R 5W, API # 30-039-30299, 30-039-30305, 30-039-30302.

# Tafoya, Crystal

From:

Tafoya, Crystal

Sent:

Thursday, July 10, 2008 8:16 AM 'mark\_kelly@nm.blm.gov'

To: Subject:

OCD Pit Closure Notification

The following temporary pits will be closed on-site. The new OCD Pit Rule 17 requires the surface owner be notified. Please feel free to contact me at any time if you have any questions. Thank you!

Allison Unit 2B

Allison Unit 40N

Angel Peak B 27E

Ballard 11F

Cain 725S

Canyon Largo Unit 250N

Canyon Largo Unit 279E

Canyon Largo Unit 288E

Canyon largo Unit 297E

Canyon Largo Unit 465E

Carson SRC 4E

Day B 4P

Day B 5A

East 17S

EPNG A 1B

EPNG B 1M

Federal A 1E

Filan 5M

Filan 5N

Fogelson 4 100

Fogelson 4 100S

Grambling C 202S

Hagood 19

Hamner 9S

Hardie 4P

Hare 295

Heaton Com 100

Helms Federal 1G

Howell 12

Huerfanito Unit 103F

Huerfanito Unit 29S

Huerfanito Unit 39S

**Huerfanito Unit 47S** 

Huerfanito Unit 50E

Huerfanito Unit 75E

Huerfanito Unit 83E

Huerfanito Unit 87E

Huerfanito Unit 90E

Huerfanito Unit 90M

**Huerfanito Unit 98S** 

Huerfano Unit 108F

Huerfano Unit 282E

Huerfano unit 305

Huerfano unit 307

Huerfano Unit 554

Johnston Federal 24S

King 3

Lackey A Com 100S

Lambe 1C

Lambe 7S

Lively 8M

Lloyd A 100

Lloyd A 100S

Martin 100

McCord B 1F

McDurmitt Com 100S

McManus 13R

Mitchell 1S

Morris A 14

Newberry B 1N

Newsom B 503

Newsom B 8N

Pierce A 210S

Roelofs 1N

San Juan 27-4 Unit 132G

San Juan 27-4 Unit 132M

San Juan 27-4 Unit 139N

San Juan 27-4 Unit 140B

San Juan 27-4 Unit 141M

San Juan 27-4 Unit 147Y

San Juan 27-4 Unit 153B

San Juan 27-4 Unit 22M

San Juan 27-4 Unit 38P

San Juan 27-4 Unit 41N

San Juan 27-4 Unit 42N

Sall Juan 27-4 Unit 42IN

San Juan 27-4 Unit 569N

San Juan 27-4 Unit 59N San Juan 27-4 Unit 60M

Salt Juan 27-4 Unit GUIV

San Juan 27-5 Unit 113F

San Juan 27-5 Unit 59N

San Juan 27-5 Unit 84N

San Juan 27-5 unit 901

San Juan 27-5 Unit 902

San Juan 27-5 Unit 903

San Juan 27-5 Unit 904

San Juan 27-5 Unit 905

San Juan 27-5 Unit 906

San Juan 27-5 Unit 907

San Juan 27-5 Unit 908

San Juan 27-5 Unit 909

San Juan 27-5 Unit 910 San Juan 27-5 Unit 912

San Juan 27-5 Unit 913

San Juan 27-5 Unit 914

San Juan 27-5 Unit 915

San Juan 27-5 Unit POW 916

San Juan 28-4 Unit 27M

San Juan 28-5 Unit 54F

San Juan 28-5 Unit 62E

San Juan 28-5 Unit 63M

San Juan 28-5 Unit 76N

San Juan 28-5 Unit 77N

San Juan 28-6 Unit 113N

DISTRICT I

State of New Mexico
Energy. Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, N.M. 87505

Form C-102 Revised October 12, 2005

1625 N. French Dr., Hobbs, N.M. 88240 DISTRICT II

Submit to Appropriate District Office

1301 W. Grand Avenue, Artema, N.M. 88210

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1000 Rto Brazos Rd., Aztec, N.M. 87410

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, N.M. 87505

□ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	Pool Code	DAKOTA / MESA VERDE				
<sup>4</sup> Property Code	°Pro SAN JUA	Well Number 903				
OGRID No.	BURLINGTON RESOURCE	* Elevation 6625				

<sup>10</sup> Surface Location

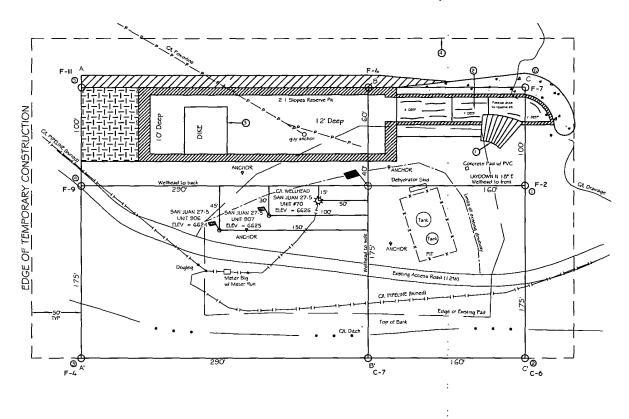
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	8	27 N	5 W		1595	NORTH	1860	EAST	RIO ARRIBA
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
В	8	27 N	5 W	'	925	NORTH	1665	EAST	RIO ARRIBA
12 Dedicated Acres	15 Joint	or Infill . 14	Consolidatio	n Code 150	rder 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

	OR A NON-SIAN	DARD UNIT HAS B	EEN APPROVED E	I THE DIVISION
16 S 88°47'03" E		1595'	5208.18'	17 OPERATOR CERTIFICATION  I hereby certify that the information contained herein to him and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofure entered by the division.
LAT: 36.5 LONG: 107.37 LAT: 36° 35 LAT: 36° 35 LONG: 107° 22	79409° W NAD 27 5.4863' N		1860' NAD 83 593274° N	Printed Name
2616.10°		LAT: 36° 3 LONG: 107° 2		18 SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belter.  8/02/07  CHALL W  Date of Survey  Signature and See of Potential Surveyor.
> 0 = SURFACE 0 0 = SURFACE 0 0 = BOTTOM	LOCATION HOLE LOCATION	usa sf	-07939I -07939I	17078 E
N 78°52'24" W	2690.16'	S 83°29'20" W	2670.27	Certificate Number

# BURLINGTON RESOURCES OIL & GAS COMPANY LP.

SAN JUAN 27-5 UNIT 903 - 1595' FNL \$ 1860' FEL (SURFACE) - 925' FNL \$ 1665' FEL (BOTTOM) SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, N.M. GROUND ELEVATION: 6625 - DATE: JUNE 5, 2007



EXISTING DISTURBANCE = | 13 ACRES WELLPAD = | 71 ACRES TEMPORARY CONSTRUCTION = | 26 ACRES TOTAL = 4 10 ACRES

LATITUDE 36°35 4863' N LONGITUDE 107°22 7284' W NAD 27

# PAD CONST SPECS

- I RAMF INTO PIT CONSTRUCTED FROM PAD GRADE
  INTO FLARE AREA AT 5% SLOPE
  2 APPROXIMATE 13/75 FIT AREA UNED WITH 12 MIL POLYLINER
  3 RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW3' WIDE AND I ABOVE SHALLOW SLOP)
  4 EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD WIG' T-POST

- I ) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST
- 2 ) UNITED FIELD SERVICES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

SURVEYED: 6/05/07	REV. DATE: 8/17/07	APP. BY M.W.L.
DRAWN BY: H.S.	DATE DRAWN: 6/19/07	FILE NAME: 7585L02

FIELD SERVICES INC.

P.O. BOX 3651 FARMINGTON, NM 87499 OFFICE: (505)334~0408

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240 DISTRICT II 1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Axtec, N.M. 87410
DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, N.M. 87505 Form C-102 Revised October 12, 2005 Submit to Appropriate District Office

omit to appropriate District Office
State Lease – 4 Copies

Fee Lease - 3 Copies

□ AMENDED REPORT

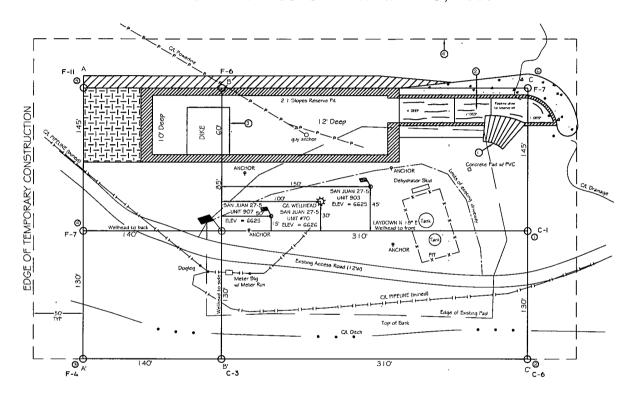
# WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API	Number	Pool Code			,.	Pool Name DAKOTA / MESA VERDE				
<sup>4</sup> Property C	ode		Property Name Well						Well Number 906	
OGRED N	lo.		BU	*Operator Name *R					*Rievation 6625	
,						10 Surface	Location			
UL or lot no.	Section	Towns	thip	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	8	27	Ν	5 W		1752	NORTH	1868	EAST	RIO ARRIBA
				11 Botto	om Hole	Location I	f Different Fro	om Surface		
UL or lot no.	Section	Towns	hip	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	8	27	N	5 W		2280	NORTH	1705	EAST	RIO ARRIBA
<sup>15</sup> Dedicated Acre	19 Joint	or Infill	14	Consolidation	n Code 150	rder No.				
320 (E/2	)									
NO ALLOW	ABLE W	ILL B		ASSIGNED		S COMPLETION				CONSOLIDATED
		OR	1 A	NON-STA	NDARD (	UNIT HAS BE	EN APPROVED	BY THE DI	ISION	
16 S 88°47	.03. E						5208.18'	17 OP	ERATOR CE	RTIFICATION

I hereby certify that the information contained herein is replete to the best of my knowledge and belief, or unleased mineral interest in the land including the ed bottom hole location or has a right to drill this 1752 well at this location pursuant to a contract with an 2280 ral or working interest, or to a obinitary pooling agreement or a conservation entered by the division. NAD 83 3 ш LAT: 36.591017° N LONG: 107.379425° W Signature Data 0°23 **NAD 27** 1868 LAT: 36° 35.4605' N Printed Name LONG: 107° 22.7294' W 1705 SECTION 8 18 SURVEYOR CERTIFICATION 2616.10 NAD 83 as plotted from field notes of actual surveys made by t LAT: 36.589552° N LONG: 107.378839° W NAD 27 8/02/07 LAT: 36° 35.3726' N Date of Survey LONG: 107° 22.6942' W .04 0.28 USA SF-079391 O = SURFACE LOCATION PRINCIPES . = BOTTOM HOLE LOCATION z 17018 Certificate Number N 78°52'24" W 2690.16" S 83°29'20" W 2670.27

# BURLINGTON RESOURCES OIL & GAS COMPANY LP.

SAN JUAN 27-5 UNIT 906 - 1752' FNL \$ 1868' FEL (SURFACE) - 2280' FNL \$ 1705' FEL (BOTTOM) SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, N.M. GROUND ELEVATION: 6625 - DATE: MAY 15, 2007





EXISTING DISTURBANCE = 1 13 ACRES WELLPAD = 1 71 ACRES TEMPORARY CONSTRUCTION = 1 26 ACRES TOTAL = 4 10 ACRES

LATITUDE 36°35 4605' N LONGITUDE 107°22 7294' W NAD 27

# PAD CONST SPECS

- RAMF INTO PIT CONSTRUCTED FROM PAD GRADE
  INTO FLARE AREA AT 5% SLOPE
  2 APPROXIMATE 13/75\* FIT AREA LINED WITH 12 MIL POLYLINER
  3 RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND I'ABOVE SHALLOW SIDE)
  4 EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD WIG'T-POST

# NOTES

- CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED
  OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR
  ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST
- 2 ) UNITED FIELD SERVICES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

SURVEYED:	5/15/07	REV. DATE:	8/17/07	APP. BY MWL.
DRAWN BY:	H.S.	DATE DRAWN:	6/19/07	FILE NAME: 7689L02



P.O. BOX 3651 FARMINGTON, NM 87499 OFFICE: (505)334-0408

DISTRICT I

State of New Mexico
Energy, Minerals & Natural Resources Department

1625 N. French Dr., Hobbs, N.M. 68240 DISTRICT II

1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Axtec, N.M. 87410 OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

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1000 Rto Bresos	Rd., Axtec	, N.M. 87410			Santa Pe, N.	M. 8'	7505		ree	nease – o cobies
ESTRICT IV 220 S. St. Pran	cia Dr., Sa	nta Fe, N.M.	87505							ENDED REPORT
		1	WELL L	OCATIO	N AND AC	CRE	AGE DED	ICATION P	LAT	
· API	Number		T	*Pool Code				Pool Nat		
								COTA / ME	SA VERDE	Weil Number
*Property C	ods			S	Property				}	907
OGRID N	0.				*Operato	r Nam	id.			Bevation
	· · · · · · · · · · · · · · · · · · ·	BU	RLINGT	ON RES				MPANY LP.	·	6625
L or lot no.	Section	- No.	1 2 2		10 Surface		cation orth/South line	Feet from the	East/West lin	
	Section 8	Township 27 N	Range 5 W	Lot Idn	Feet from the	1	-	1865	EAST	RIO ARRIBA
G		Z/ N		17.1			NORTH	1	LASI	INIO ARRIBA
JL or lot no.	Section	Township	Range	m Hole	LOCATION		HIERENL Fro	om Surface	Bast/West lin	e County
		1	1 1	100 1011			•	1015	1	
Dedicated Acre	8	or Infill   "	5 W Consolidation	0.4.   150	1675 rder No.	!	NORTH	1013	EAST	RIO ARRIBA
18 S 88°47	.03• E	OR A I	NON-STA	NDARD (	.669	1675'	5208.18'	7) I hereby certy free and comp and that this or unleased in proposed bottom the trible to comer of such voluntary pool	PERATOR C by that the informative to the best of organization either ineral interest in the hole location or contion pursuant to a mineral or works.	ERTIFICATION tion contained herein to my knowledge and belief, owns a working interest he land tenduding the has a right to drill this a contract with an ing interest, or to a computary pooling order
LAT	G: 107.3 T: 36° 3	NAD 83 591160° N 79420° W NAD 27 5.4691' N 2.7291' W		,	1865		1015'	Signature Printed Na	<b>no</b> · · · ·	Date
.00.	. 107- 2	2./291 W	•	TION 8	LAT: 3 LONG: 107.	6.89 376	525° W	i hereby certifi	y that the well loss on field notes of a	RTIFICATION  tion shown on this plat thus surveys made by me t the same to true and
<b>50</b>					LAT: 36° 3	35.4			best of my belief.	1344

S 1°21'02" USA SF-079391

8/02/07

Certificate Number

O = SURFACE LOCATION

N 0.28.07. W

● = BOTTOM HOLE LOCATION

2690.16

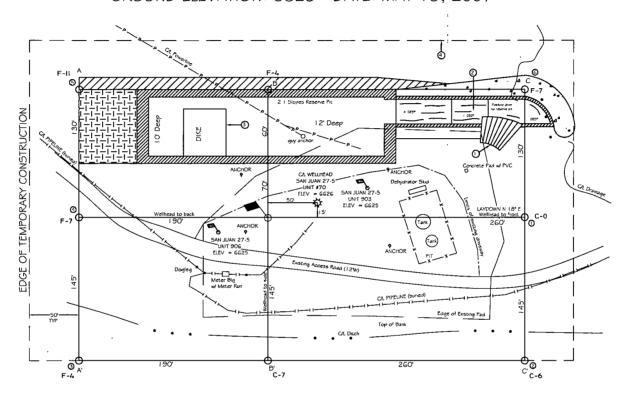
N 78°52'24" W

S 83°29'20" W

2670.27

# BURLINGTON RESOURCES OIL & GAS COMPANY LP.

SAN JUAN 27-5 UNIT 907 - 1699' FNL \$ 1865' FEL (SURFACE) - 1675' FNL \$ 1015' FEL (BOTTOM) SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, N.M. GROUND ELEVATION: 6625 - DATE: MAY 15, 2007





EXISTING DISTURBANCE = 1 13 ACRES WELLPAD = 1 71 ACRES TEMPORARY CONSTRUCTION = 1 26 ACRES TOTAL = 4 10 ACRES

LATITUDE 36°35 4691'N LONGITUDE 107°22 7291'W NAD 27

# PAD CONST SPECS

- I RAMP INTO PIT CONSTRUCTED FROM PAD GRADE
- INTO FLARE AREA AT 5% SLOPE

  2 APPROXIMATE 13%75' PIT AREA LINED WITH 12 MIL POLYLINER

  3 RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW-
- 3' WIDE AND I' ABOVE SHALLOW SIDE)
  4 EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/G' T-POST

- I ) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST
- 2 ) UNITED FIELD SERVICES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

	SURVEYED: 5/15/07	REV. DATE: 8/17/07	APP. BY M.W.L.
)	DRAWN BY: H.S.	DATE DRAWN: 6/19/07	FILE NAME: 7698L02



P.O. BOX 3651 FARMINGTON, NM 87499 OFFICE: (505)334-0408



# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client	On an an Dhillian	D	00050 0000
Client:	ConocoPhillips 907 906	Project #:	96052-0026
Sample ID:	SJ 27-5 #903	Date Reported:	02-23-09
Laboratory Number:	49022	Date Sampled:	02-18-09
Chain of Custody No:	6366	Date Received:	02-19-09
Sample Matrix:	Soil	Date Extracted:	02-20-09
Preservative:	Cool	Date Analyzed:	02-23-09
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.8	0.2
Diesel Range (C10 - C28)	9.5	0.1
Total Petroleum Hydrocarbons	11.3	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: Drilling Pit Sample.

Analyst

Mustum Walten Review



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

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 27-5 #903 Background	Date Reported:	02-23-09
Laboratory Number:	49023	Date Sampled:	02-18-09
Chain of Custody No:	6366	Date Received:	02-19-09
Sample Matrix:	Soil	Date Extracted:	02-20-09
Preservative:	Cool	Date Analyzed:	02-23-09
Condition:	Intact	Analysis Requested:	8015 TPH

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

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

**Drilling Pit Sample.** 

5796 HS Highway 64 Farmington NM 87401 Ph (505)632-0615 Fr (800)362-1879 Fy (505) 632-1865 Jah@envirotech-inc com envirotech-inc com



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

# **Quality Assurance Report**

Client		QA/QC			Project #:		N/A
Samp	e ID:	02-23-09	QA/Q0		Date Reported:		02-23-09
Labor	atory Number:	49034			Date Sampled:		N/A
Samp	e Matrix:	Methylene	Chlorid	le	Date Received:		N/A
Prese	rvative:	N/A			Date Analyzed:		02-23-09
Condi	ļion:	N/A			Analysis Reques	ited:	TPH
		(Cal D	alte	+CaliRF;	C-Cal RF	% Difference	Accept Range
Gaso	ine Range C5 - C10	05-07-	07	9.8029E+002	9.8069E+002	0.04%	0 - 15%
Diese	Range C10 - C28	05-07-	07	1.0207E+003	1.0211E+003	0.04%	0 - 15%
Blan	Conc. (mg/L - mg/(g)			Concentration		Oelegton lumi	•
Gaso	ine Range C5 - C10			ND		0.2	_
Diese	l Range C10 - C28			ND		0.1	
Total	Petroleum Hydrocarbons			ND		0.2	

24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ownible	Deficate	no californite	wedeling wenter	
Gaso ine Range C5 - C10	3.7	3.5	5.4%	0 - 30%	
Diese Range C10 - C28	6.2	6.7	8.1%	0 - 30%	

Spike Conc. (mg/Kg)	Sample	Spike Agaes	Spike Result	76 Receivery	Accept Range
Gasoline Range C5 - C10	3.7	250	252	99.2%	75 - 125%
Diesel Range C10 - C28	6.2	250	252	98.4%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 49020 - 49023, 49025 - 49026, 49033, 49034 and 49037.



# **EPA METHOD 8021 AROMATIC VOLATILE ORGANICS**

Client:		ConocoPhillips	Project #:	96052-0026
Sampl	e ID:	SJ 27-5 #903	Date Reported:	02-23-09
Labora	itory Number:	49022	Date Sampled:	02-18-09
Chain	of Custody:	6366	Date Received:	02-19-09
Sampl	e Matrix:	Soil	Date Analyzed:	02-23-09
Prese	vative:	Cool	Date Extracted:	02-20-09
Condit	ion:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.1	0.9
Toluene	10.6	1.0
Ethylbenzene	3.4	1.0
p,m-Xylene	20.6	1.2
o-Xylene	9.1	0.9
Total BTEX	45.8	

ND - Parameter not detected at the stated detection limit.

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

References:

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

December 1996.

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

USEPA, December 1996.

Comments:

Drilling Pit Sample.



# **EPA METHOD 8021 AROMATIC VOLATILE ORGANICS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 27-5 #903 Background	Date Reported:	02-23-09
Laboratory Number:	49023	Date Sampled:	02-18-09
Chain of Custody:	6366	Date Received:	02-19-09
Sample Matrix:	Soil	Date Analyzed:	02-23-09
Preservative:	Cool	Date Extracted:	02-20-09
Condiiion:	Intact	Analysis Requested:	BTEX

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

ND - Parameter not detected at the stated detection limit.

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

References:

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

December 1996.

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

USEPA, December 1996.

Comments:

Drilling Pit Sample.



# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:		N/A	Project #:	N/A
Sampl	e ID	02-23-BT QA/QC	Date Reported:	02-23-09
Labora	itory Number:	49034	Date Sampled:	N/A
Sampl	e Matrix <sup>.</sup>	Soil	Date Received	N/A
Preser	vative.	N/A	Date Analyzed:	02-23-09
Condit	ion	N/A	Analysis:	BTEX

Calibration and	FCal REC	C-CatRF	en yadih	Blank	Detest
Detection Limits (tigit)		Ascept Rang	ie 0 - 40%	Cone	Limit
Benzene	6.7198E+004	6.7333E+004	0.2%	ND	0.1
Toluene	4.7914E+004	4.8010E+004	0.2%	ND	0.1
Ethylbenzene	4.0838E+004	4.0920E+004	0.2%	ND	0.1
p,m-Xylene	9.2788E+004	9.2974E+004	0.2%	ND	0.1
o-Xylene	4.0567E+004	4.0648E+004	0.2%	ND	0.1

Dupl	cate Cone. (ug/Ke)	Sample Du	plicate	%бій.	Accept Campe	<b>Belea</b> t Limit -
Benz	ene	3.5	3.8	8.6%	0 - 30%	0.9
Tolue	ne	51.0	47.9	6.1%	0 - 30%	1.0
Ethyl	benzene	117	109	7.1%	0 - 30%	1.0
p,m-)	kylene	92.2	89.9	2.5%	0 - 30%	1.2
o-Xyl		55.2	49.7	10.0%	0 - 30%	0.9

Spik	Cone (ug/ <b>Kg)</b>	Sample Am	nunt Spiked - Spik	ed Sample	% Recovery	Accept Range
Benz	ene	3.5	50.0	56.5	106%	39 - 150
Tolue	ne	51.0	50.0	104	103%	<b>46 -</b> ⁺148
Ethyl	benzene	117	50.0	169	101%	32 - 160
p,m-১	kylene	92.2	100	196	102%	46 - 148
o-Xyl	ene	55.2	50.0	99.1	94.2%	46 - 148

ND - Parameter not detected at the stated detection limit.

References:

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

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 49020 - 49023, 49025 - 49026, 49031, 49033, 49034 and 49037.

Analyst

Dh /505/622\_0615 Fr /800/262\_1870 Ev /505/622\_1865 lah@anvirotach-inc.com anvirotach-inc.com



# EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 27-5 #903	Date Reported:	02-24-09
Laboratory Number:	49022	Date Sampled:	02-18-09
Chain of Custody No:	6366	Date Received:	02-19-09
Sample Matrix:	Soil	Date Extracted:	02-23-09
Preservative:	Cool	Date Analyzed:	02-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
i	Concentration	Limit
Param		(mg/kg)

Total Petroleum Hydrocarbons

84.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Drilling Pit Sample.

Analyst

Mustu m Walter Review



# **EPA METHOD 418.1** TOTAL PETROLEUM **HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 27-5 #903 Background	Date Reported:	02-24-09
Laboratory Number:	49023	Date Sampled:	02-18-09
Chain of Custody No:	6366	Date Received:	02-19-09
Sample Matrix:	Soil	Date Extracted:	02-23-09
Preservative:	Cool	Date Analyzed:	02-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

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

**Total Petroleum Hydrocarbons** 

18.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

**Drilling Pit Sample.** 



# **EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT**

OI:			04/00		Dunta at #		NIA
	ent:		QA/QC		Project #:		N/A
	mple ID:		QA/QC		Date Reported		02-24-09
	poratory Number:		02-23-TPH.QA/0	QC 49020	Date Sampled:		N/A
Sa	mple Matrix:		Freon-113		Date Analyzed	:	02-23-09
Pre	eservative:		N/A		Date Extracted	:	02-23-09
Co	ndition:		N/A		Analysis Need	ed:	TPH
Ca	alibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
		02-13-09	02-23-09	1,500	1,610	7.3%	+/- 10%
B	ank Conc. (mg/	/Ka)		Concentration		Detection Lim	iit '
TI	` •	(,,,,,,		ND	-	16.8	
D	ıplicate Conc. (	(ma/Ka)		Sample	Duplicate	% Difference	Accept. Range
T	•	(9,1.9)		192	180	6.3%	+/- 30%
Sr	oike Conc. (mg/	/Ka)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TF			192	2,000	1,860	84.9%	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 49020 - 49023, 49031, 49033, 49081, 49084 and 49088.



# Chloride

Client: Project #: ConocoPhillips 96052-0026 SJ 27-5 #903 Date Reported: 02-24-09 Sample ID: Lab ID#: 49022 Date Sampled: 02-18-09 Date Received: Sample Matrix: Soil 02-19-09 Preservative 02-24-09 Cool Date Analyzed: Condition: Intact Chain of Custody: 6366

Parameter

Concentration (mg/Kg)

Total Chloride

160

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:

Drilling Pit Sample.

Analyst

Review



# Chloride

Client: ConocoPhillips Project #: 96052-0026 Sample ID: SJ 27-5 #903 Background Date Reported: 02-24-09 Lab ID#: 49023 Date Sampled: 02-18-09 Sample Matrix: Soil Date Received: 02-19-09 Preservative: Cool Date Analyzed: 02-24-09 Condition: Intact Chain of Custody: 6366

Concentration (mg/Kg) **Parameter** 

**Total Chloride** 

40

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Reference:

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Drilling Pit Sample.

Submit To Appropriate District Office Two Copies				State of New Mexico						Form C-105 July 17, 2008							
District I 1625 N French Dr., Hobbs, NM 88240 District II				Energy, Minerals and Natural Resources					1. WELL API NO.								
District II 1301 W Grand Avenue, Artesia, NM 88210				Oil Conservation Division						30-039-30299, 30-039-30305,30-039-30302							
District III 1000 Rio Brazos Rd , Aztec, NM 87410					122	20 South S	t. Fr	ancis I	Or.			2. Type of Lease  STATE ☐ FEE ☒ FED/INDIAN					
District IV 1220 S St Francis	Dr , Santa F	e, NM 875	505			Santa Fe, N	MN	87505			3. State Oil SF-07939	3. State Oil & Gas Lease No					
WELL	COMPL	ETIO	N OR I	RECC	MPL	ETION RE	POF	RT AN	D LC	)G			<b>y</b> (1)			70 X 14	
4 Reason for fil									-		5 Lease Nai		_		lame	A STATE OF THE STA	
☐ COMPLET	ION REPO	ORT (Fill	l ın boxes	#1 throu	igh #31	for State and Fee	e wells	s only)				SAN JUAN 27-5 UNIT 6 Well Number:					
C-144 CLOS #33; attach this a										32 and/or	903, 906 7	907					
7. Type of Comp	oletion <sup>.</sup> WELL [	WORK	OVER [	] DEEPE	ENING	□PLUGBAC	ΚΠ	DIFFERE	ENT RI	ESERVOI	R OTHER						
8. Name of Opera	ator										9. OGRID 14538	9. OGRID					
Burlington R	perator			ipany,	LP						11. Pool nam	e or V	Vildcat				
PO Box 4298, Fa	rmington,	NM 8749	9														
12.Location	Unit Ltr	Secti	ion	Township		Range	Range Lot		Feet from the		N/S Line Feet from the		E/W Line County		County		
Surface:									ļ			<u> </u>					
BH:	1 14 5	TD D	14	115 6	)-4- Di-	Dalamad		- 11/	Data	Complete	d (Danda An Dan	1		7. 171	+i (DI	F and RKB,	
13. Date Spudded	14 Dai	te I.D K	eacned	07/2		Released		110	). Date	ed (Ready to Pro	auce)	R	7. Eleva T, GR,	etc)	and KKB,		
18 Total Measur	ed Depth o	f Well		19. F	Plug Bac	k Measured Dep	oth	20	20. Was Directional S			Survey Made? 21. Type Electric and Other Logs Run			ther Logs Run		
22. Producing Int	terval(s), of	f this com	pletion -	Top, Bot	tom, Na	nme		l					1				
23.					CAS	ING REC	ORI	D (Rep	ort a	all strir	ngs set in v	vell)			-	· · · · · · · · · · · · · · · · · · ·	
CASING SI	ZE	WEIG	GHT LB./			DEPTH SET	$\Box$		OLE S		CEMENTI		CORD	Α	MOUNT	PULLED	
		<u>-</u>									<del></del>						
											<del>-</del>						
24.					LINI	ER RECORD				2:	l 5.	TUB	NG REC	ORD		<del></del>	
			BO	OTTOM SACKS CEMENT			ENT	SCREEN SIZ		IZE	ZE DEPTH SI		ET PACKER SET				
								<del>                                     </del>									
26. Perforation record (interval, size, and number) 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.																	
DEPT					DEPTH	INTE	NTERVAL AMOUNT AND KIND MATERIAL USED										
				ļ													
							DD.		m o								
28. Date First Produc	ction		Product	ion Met	hod (Flo	owing, gas lift, p		ODUC			Well Statu	is (Pro	od. or Shut	-in)			
2 ato 1 not 1 round			Troduct	.1011 14161	1100 (110	, , , , , , , , , , , , , , , , , , ,	umpm	8 5.20 0	iype	, pump	1 77 514	(1 / (	. o. o	,			
Date of Test Hours Tested C		Che	oke Size Prod'n For Test Period				Oil - Bbl		G	s - MCF		Water - Bbl.		Gas - 0	Oil Ratio		
			alculated 24- Oil - Bbl.		Oil - Bbl.		Gas - MCF		F	Water - Bbl.		Oil Gravity - API - (Corr.)		rr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							30. Test Witnessed By										
31. List Attachmo	ents											<del></del>					
32. If a temporary	· -		_	-			_										
33. If an on-site b	ourial was u		1														
I hereby certij	fy that th	Latit e inform	ude 36.59	)1069Nz hown c	Long n both	gitude 107.3797 in sides of this	forn	NAD 🗌 ı is true	1927   and o	⊠1983 complete	e to the best	of m	knowle	dge ar	id belie	<u>f</u>	
Signature ( Name Marie E. Jaramillo Title: Staff Regulatory Tech Date: 2/4/2010																	
E-mail Addre	E-mail Address\marie.e.jaramillo@conocophillips.com																

# ConocoPhillips O

Pit Closure Form:	
Date: 8/27/09	
Well Name: 21-5# 903	
Footages:	Unit Letter: 🕱
Section:	nty: 2: a Hernby State: N. W.
Contractor Closing Pit: W! M	-
Construction Inspector: Smith	Date: 8/28/09
Inspector Signature:	

# ConocoPhillips O

Pit Closure Form:	
Date: 8/21/09	
Well Name: 27-5# 906	_
Footages:	Unit Letter: 🙎
Section: <u>8</u> , T- <u>21</u> -N, R- <u>5</u> -W, County: & a	Arr. by State: N. m.
Contractor Closing Pit: Mim	
Construction inspector: Scressin H	Date: 8/28/09
Inspector Signature:	

# ConocoPhilips O

	Pit Closure Form:  Date: _8/21/69	
e ne e de la cresce	Well Name: 27-5 # 907	
	Footages:	Unit Letter:
	Section: 8 , T-21-N, R-5-W, Coun	Ev: D:-Aniha State: wa m
At An	Contractor Closing Pit:	January Control of the Control of th
	Control of the Contro	
	Construction Inspector: Size Sm.+1	Date: 8/28/09
	Inspector Signature:	
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-		

Nevised 7/10/08

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# Jaramillo, Marie E

From:

Silverman, Jason M

Sent:

Friday, August 21, 2009 11:08 AM

To:

Brandon.Powell@state.nm.us; Mark Kelly; Robert Switzer; Sherrie Landon

Cc:

'BOS'; 'michelem45@g.com'; Faver Norman (faverconsulting@yahoo.com); Jared Chavez;

Bassing, Kendal R.; Scott Smith; Silverman, Jason M; Smith Eric

(sconsulting.eric@gmail.com); Terry Lowe; Becker, Joey W; Bonilla, Amanda; Bowker, Terry D; Busse, Dollie L; Chavez, Virgil E; Gordon Chenault; GRP:SJBU Production Leads; Hockett, Christy R; Johnson, Kirk L; Kennedy, Jim R; Lopez, Richard A; Nelson, Terry J; O'Nan, Mike J.; Peace, James T; Pierce, Richard M; Poulson, Mark E; Richards, Brian; Smith, Randall O; Stamets, Steve A; Thacker, LARRY; Work, Jim A; Blair, Maxwell O; Blakley, Mac; Clark, Joni E: Farrell, Juanita R: Gillette, Steven L (Gray Surface Specialties and Consulting, Ltd.); Green,

David A; Hines, Derek J (Finney Land Co.); Maxwell, Mary Alice; McWilliams. Peggv L:

Seabolt, Elmo F; Stallsmith, Mark R

Subject:

Reclamation Notice: San Juan 27-5 Unit 903, 906, 907 (twinned)

Importance: High

Attachments: San Juan 27-5 unit 906 .PDF; San Juan 27-5 unit 907.PDF; San Juan 27-5 Unit 903.PDF

M&M Trucking will move a tractor to the San Juan 27-5 Unit 906, 906, 907 (twinned) on Thursday, August 27th, 2009, to start the Reclamation process. Please contact Eric Smith (608-1387) if you have any questions or need further assistance.

Thanks, Jason Silverman

# **Burlington Resources Well**

Rio Arriba County, NM:

# San Juan 27-5 Unit #903- BLM surface / BLM minerals

1595' FNL; 1860' FEL

Sec. 8 T27N, R5W

Unit Letter 'G'

Lease #: SF-079391

Latitude: 36° 35'29.20920 N (NAD 83)

Longitude: 107° 22'45.87240 W

Elevation: 6625'

API #: 30-039-30299

# **Burlington Resources Well- Network #10199677**

Rio Arriba County, NM:

San Juan 27-5 Unit #906- BLM surface / BLM minerals

1752' FNL, 1868' FEL

Sec. 8 T27N, R5W

Unit Letter 'G'

Lease #: SF-079391

Latitude: 36° 35'27.66120 N (NAD 83)

Longitude: 107° 22'45.93000 W

Elevation: 6625'

API #: 30-039-30305

# **Burlington Resources Well- Network #10199975**

Rio Arriba County, NM:

San Juan 27-5 Unit #907- BLM surface / BLM minerals

1699' FNL, 1865' FEL

Sec. 8 T27N, R5W

Unit Letter 'G'

Lease #: SF-079391

Latitude: 36° 35'28.17600 N (NAD 83)

Longitude: 107° 22'45.91200 W

Elevation: 6625'

API#: 30-039-30302

Jason Silverman ------Construction Technician
ConocoPhillips Company - SJBU
Projects Team
P.O. Box 4289
Farmington, NM 87499-4289
505-326-9821
Jason.M.Silverman@ConocoPhillips.com

# ConocoPhillips

Reclamation Form:	
Date: 9/21/09	<del>_</del>
Well Name: 27-54	103, 906, 907
Footages: 1752'fv	UL 1868 fel Unit Letter: 3
Section: 8, T-27.	N, R-5 -W, County: Rio Ariba State: N.M.
Reclamation Contractor:	M; M
Reclamation Date:	9/16/09
Road Completion Date:	9/17/09
Seeding Date:	9/21/09
	• •
Construction inspector:	Eric Smith Date: 9/21/09
Inspector Signature:	8 2 D



# SAN JUAN 27-5 UNIT #906 LATITUDE 36° 35'27.66120 N(NAD83) LONGITUDE 107° 22'45.93000 W UNIT G SEC 8 T27N R05W 1752' FNL 1868' FEL API # 30-039-30305 LEASE# SF-079391 ELEV.6625' RIO ARRIBA COUNTY, NEW MEXICO EMERGENCY CONTACT: 1-505-599-3400

ConocoPhillips RESCURCES

SAN JUAN 27-5 UNIT #903

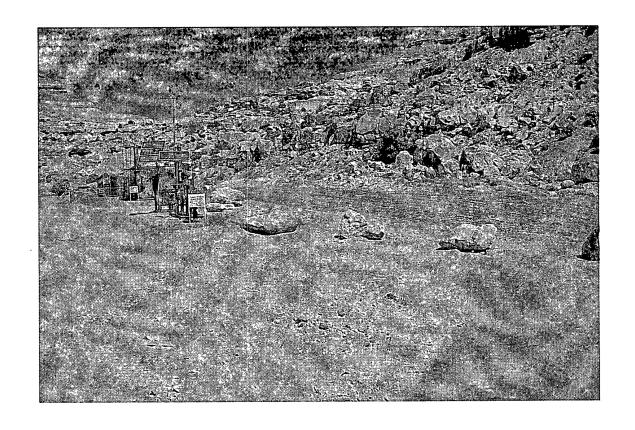
LATITUDE 36° 35' 29' 20920 N(NAD83)
LONGITUDE 107° 22' 45' 87240 W

UNIT G SEC 8 T27N R05W
1595' FNL 1860' FEL
API # 30-039-30299

LEASE# SF-079391 ELEV.6625'
RIO ARRIBA COUNTY, NEW MEXICO

EMERGENCY CONTACT: 1-505-599-3400







# WELL PAD SAFETY AND ENVIRONM

X

Χ

X

Χ

X

X

LOCATION

CHECK

X

X

Χ

X

X

X

X

X

Χ

X

Χ

X

Χ

WELL NAME: San Juan 27-5 903, 906 & 907

SAFETY

**CHECK** 

Χ

X

X

X

X

X

X

Χ

X

X

X

X

X

X

X

Χ

X

**INSPECTOR** 

Art Sanchez

Art Sanchez

Rodney Woody

Art Sanchez

DATE

5/9/08

5/16/08

6/3/08

6/9/08

6/18/08

7/1/08

7/8/08

7/15/08

7/22/08

7/29/08

8/5/08

8/12/08

9/3/08

9/12/08

10/17/08

11/13/08 11/25/08

12/15/08 1/27/09

2/2/09

2/18/09 3/4/09

3/17/09

API#: 30-039-30299							
PICTURES COMMENTS TAKEN							
Х	MOTE setting surface						
Χ .	Surface is set						
X	AWS 711 on loc						
X	AWS 711 on loc						
Χ	AWS 711 on loc						
Х	AWS 711 on loc						
Х	AWS 711 on loc						
Χ	AWS 711 on loc						
Х	AWS 711 on loc.						
Х	MVCI to repair holes						
Х	Nobles to pull water out of pit.						
Х	FRAC CREW ON LOC.						
Х	KEY ON LOC.						
Х	CROSSFIRE TO REPAIR HOLES.						
X	KEY 30 ON LOC. SIGNS ARE ON LOCATION NO PICS.						
Х	CROSSFIRE TO REPAIR HOLES						
Х	CROSSFIRE TO REPAIR HOLES						

PIT AND LOCATION LOOK GOOD

3/25/09	Art Sanchez	X	Х	X	
4/3/09	Jared Chavez	Х	X		Repair and re-key burnt liner 4/03/09 JEG
6/17/09	Art Sanchez	Х	Х	X	
8/21/09	Elmer Perry	X	Х	Х	Signs on Location

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