

State of New Mexico  
Energy, Minerals and Natural Resources Department

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**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions  
listed below are made in accordance with OCD Rule 19.15.7.11  
and are in addition to the actions approved by BLM on the  
following 3160-4 or 3160-5 form.

Operator Signature Date: 5/9/13

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-10483-00-00	GRENIER	013	BURLINGTON RESOURCES OIL & GAS COMPANY LP	G	A	San Juan	F	K	20	31	N	11	W

Conditions of Approval:

Extend the Mancos plug down to 5370 feet.

Note: Revised BLM Conditions of approval are attached to the application.

NMOCD Approved by Signature

JUN 25 2013

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 13 2013

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

Farmington Field Office

5. Lease Serial No. **SF-078115**  
6. Indian, Allottee or Tribe Name

**SUNDRY NOTICES AND REPORTS ON WELLS, Land Management**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company LP</b>		8. Well Name and No. <b>Grenier 13</b>
3a. Address <b>PO Box 4289, Farmington, NM 87499</b>	3b. Phone No. (include area code) <b>(505) 326-9700</b>	9. API Well No. <b>30-045-10483</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Surface Unit K (NESW), 1450' FSL &amp; 1500' FWL, Sec. 20, T31N, R11W</b>		10. Field and Pool or Exploratory Area <b>Basin Dakota</b>
		11. Country or Parish, State <b>San Juan, New Mexico</b>

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

**Burlington Resources requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 5/3/13 w/Robert Switzer. The Re-Vegetation Plan is attached.**

**RCVD MAY 23 '13  
OIL CONS. DIV.  
DIST. 3**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>Dollie L. Busse</b>		Title <b>Staff Regulatory Technician</b>
Signature <i>Dollie L. Busse</i>		Date <b>5/9/13</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>Original Signed: Stephen Mason</b>	Title <b>MAY 21 2013</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instruction on page 2)

**NMOCD**

**ConocoPhillips**  
**GRENIER 13**  
**Expense - P&A**

Lat 36° 52' 52.536" N

Long 108° 1' 0.444" W

**PROCEDURE**

This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.
4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.
5. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.
6. TOOH with 2-3/8" tubing (per pertinent data sheet).

<b>Tubing:</b>	Yes	<b>Size:</b>	2-3/8"	<b>Length:</b>	7144'
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7. PU watermelon mill and 2-3/8" tubing. Make a round trip run with a watermelon mill for 4-1/2" 9.5# and 10.5# J-55 casing to 6948'. TOOH and LD watermelon mill.

8. PU and RIH with CR for 4-1/2" 10.5# J-55 casing and set 50' above top perforation at 6948'. POOH.

9. Load 4-1/2" casing, pressure test tubing to 1000 psi and pressure test casing to 800 psi. Hold 500 psi of pressure on 4-1/2" casing and run CBL. Contact Production Engineer with results.

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

**10. Plug 1 (Dakota Perforation and Formation Top and Graneros Formation Top, 6848-6948', 12 Sacks Class B Cement)**

Note: CR for 4-1/2" 10.5# J-55 casing is already set at 6948'. Load casing and circulate clean. Mix 12 sx of Class B cement and spot plug inside casing to isolate the Dakota perforations and formation top and the Graneros formation top. PUH

**11. Plug 2 (Gallup Formation Top, 6098-6198', 12 Sacks Class B Cement)**

Mix 12 sx of Class B cement and spot plug inside casing to isolate the Gallup formation top. POOH

**12. Plug 3 (Mancos Formation Top, 5130-5230', 50 Sacks Class B Cement)**

Perforate 3 HSC holes at 5230'. Establish rate into squeeze holes. RIH and set CR for 4-1/2" 10.5# J-55 casing at 5180'. Mix 50 sx Class B cement; squeeze 38 sx behind 4-1/2" casing and leave 12 sx inside the casing to isolate the Mancos formation top. PUH.

**13. Plug 4 (Mesa Verde Formation Top, 4035-4135', 12 Sacks Class B Cement)**

Mix 12 sx of Class B cement and spot plug inside casing to isolate the Mesa Verde formation top. PUH

3341 3241

**14. Plug 5 (Chacra Formation Top, ~~3697-3897~~<sup>3341-3241</sup>, 12 Sacks Class B Cement)**

Mix 12 sx of Class B cement and spot plug inside casing to isolate the Chacra formation top. PUH

**15. Plug 6 (Pictured Cliffs Formation Top, 2510-2610', 12 Sacks Class B Cement)**

Mix 12 sx of Class B cement and spot plug inside casing to isolate the Pictured Cliffs formation top. PUH

2250 2450

**16. Plug 7 (Fruitland Coal Formation Top, ~~1890-1990~~<sup>2250-2450</sup>, 12 Sacks Class B Cement)**

Mix 12 sx of Class B cement and spot plug inside casing to isolate the Fruitland Coal formation top. POOH

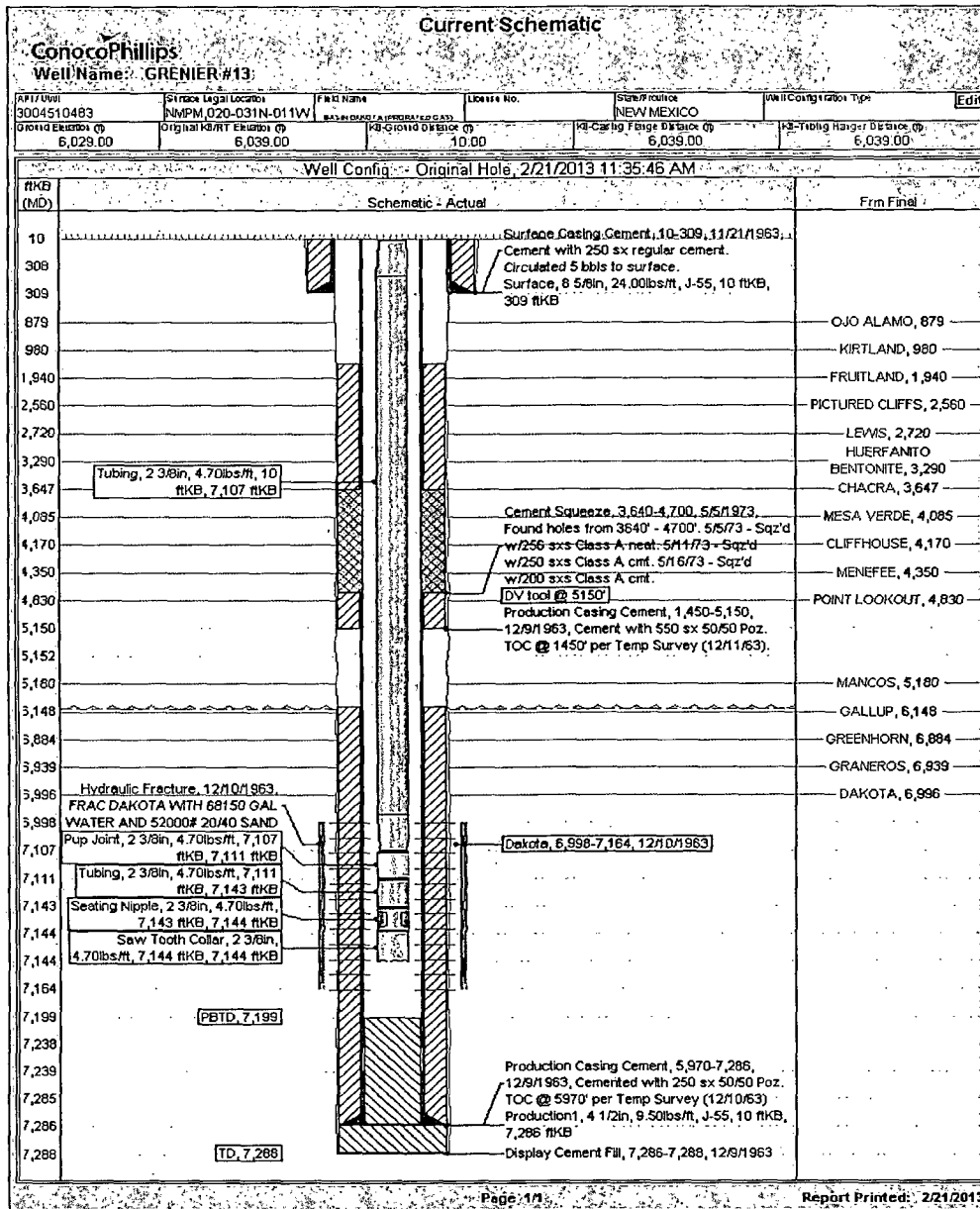
**17. Plug 8 (Kirtland and Ojo Alamo Formation Tops, 829-1030', 97 Sacks Class B Cement)**

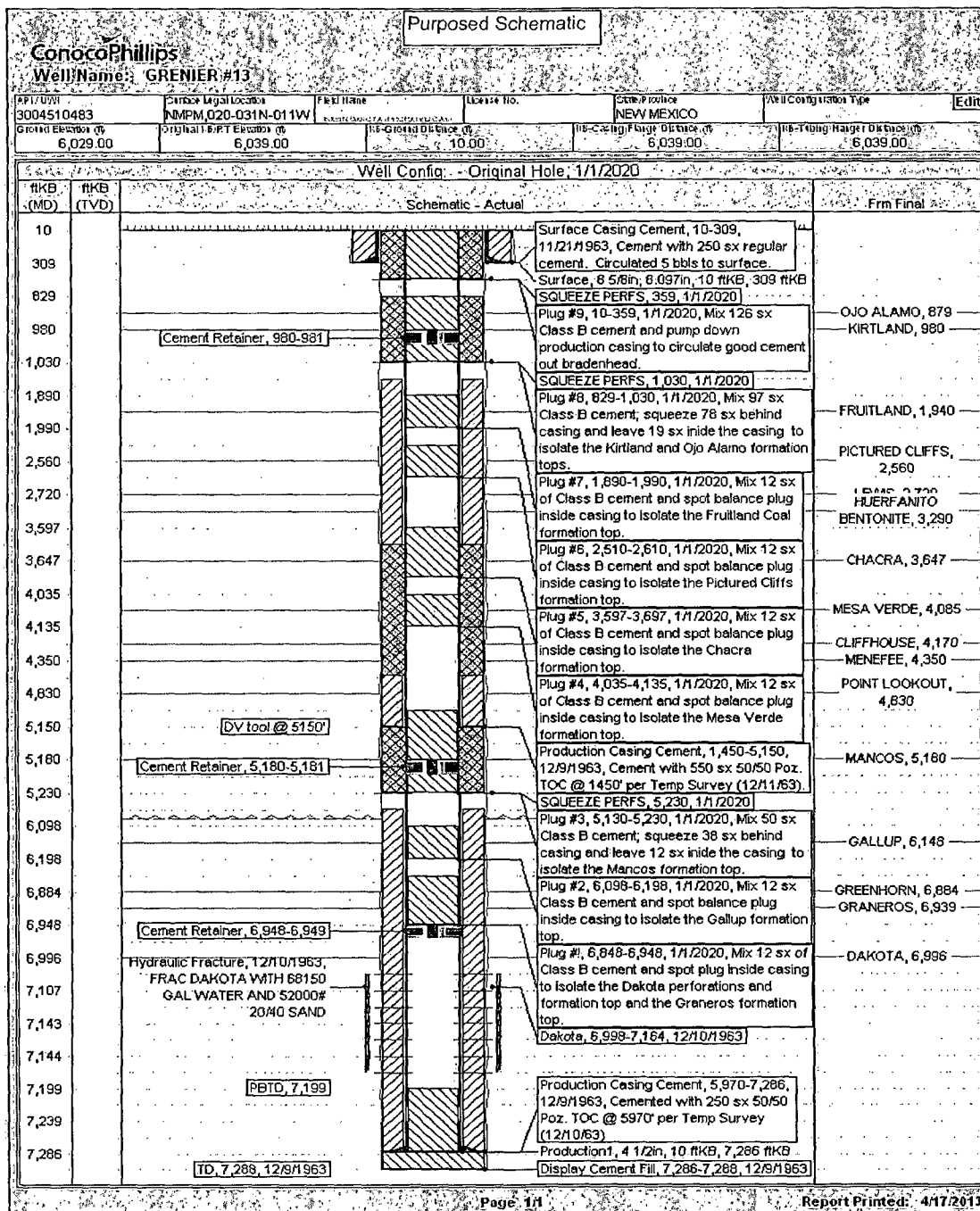
Perforate 3 HSC holes at 1030'. Establish rate into squeeze holes. RIH and set CR for 4-1/2" 9.5# J-55 casing at 980'. Mix 97 sx Class B cement; squeeze 78 sx behind 4-1/2" casing and leave 19 sx inside the casing to isolate the Kirtland and Ojo Alamo formation top. POOH.

**18. Plug 9 (Surface Casing Shoe and Surface Plug, 0-359', 126 Sacks Class B Cement)**

Perforate 3 HSC holes at 359'. Establish circulation out of bradenhead with water and circulate BH annular clean. Mix 126sx Class B cement and pump down production casing to circulate good cement out BH. Shut-in well and WOC.

19. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.





**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 13 Grenier

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
  - a) Place the Chacra plug from 4553' – 4453'.
  - b) Place the Fruitland plug from 2250' – 2150'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

**From:** Mason, Stephen [mailto:smason@blm.gov]  
**Sent:** Wednesday, June 12, 2013 12:04 PM  
**To:** Powell, Brandon, EMNRD  
**Subject:** 13 Grenier

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BUREAU OF LAND MANAGEMENT  
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3. The following modifications to your plugging program are to be made:
  - a) Place the Chacra plug from 3341' – 3241'.
  - b) Place the Fruitland plug from 2250' – 2150'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.