

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter and Office abandoned well. Use Form 3160-3 (APD) for such proposals.

NOV 04 2014

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		5. Lease Serial No. NMM30584
2. Name of Operator Energen Resources Corporation		6. If Indian, Allottee or Tribe Name
3a. Address 2010 Afton Place, Farmington, NM 87401	3b. Phone No. (include area code) 505-325-6800	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 470' FSL, 1,190' FEL, Sec. 12, T32N, R04W		8. Well Name and No. Carracas 12 B #16
		9. API Well No. 30-039-24724
		10. Field and Pool, or Exploratory Area Basin Fruitland Coal
		11. County or Parish, State Rio Arriba NM

12. CHECK 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 recompletable 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources intends to Plug and Abandon the Carracas 12 B #16 per the attached procedure.

This will be a closed loop operation. BLM and NMOC will be notified 24 hours before operation commence.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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JAN 20 2015

NMOC
DISTRICT III

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Alan J. Ambrose

Title **District Engineer**

Signature

Date **11/3/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Troy Salvors**

Title **PE**

Date **1/14/2015**

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 **FFO**

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

NMOC

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Energen Resources

API#: 30-039-24724

DP#: 3124724A

AFE#:

Plugging Procedure for the Carracas 12 B 16

Location: 470' FSL, 1,190' FEL, Section 12, T32N, R4W, Rio Arriba County, NM

Field: Fruitland Coal **Elevation:** 6,910' GL **TD:** 2,200' **PBTD:** 2,145' **KB:** 12'

NOTE: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg to balance all exposed formation pressures. All cement will be Class B, mixed~ 15.6 ppg with a 1.18 yield.

1. MIRU WSU.
2. TOOH w/ rod string and pump.
3. ND WH, NU BOP. POOH w/ 2-3/8" production string.
4. PU 5-1/2" CIBP, 2-3/8" tubing, and TIH. Set CIBP 50' above top perf ~1906'.
5. Spot balanced plug above CIBP to cover 100' above Ojo Alamo formation top at 1,406'. (14.3 bbls, 80.2 cuft, TOC ~ 1,306')
6. PUH and spot balanced plug from 355' to surface to cover Nacimiento formation and casing shoe. (8.5 bbls, 47.5 cuft)
7. ND BOP. Cut off WH below surface casing flange. Install P&A marker with cement to comply with regulations. RDMO and cut off anchors.

Carracas 12 B 16

Current

Basin Fruitland Coal

470' FSL, 1,190' FEL, Section 12, T-32-N, R-4-W

Rio Arriba County, NM / API # 30-039-24724

Today's Date: 11/3/2014
Spud: 7/25/1990
Completed: 9/8/1990
Elevation: 6910' GL

Nacimiento: 165' est.
12-1/4" Hole

9-5/8" 36# Casing set @ 305'
Cement w/ 228 cuft
(Circulated to Surface)

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NMOCD
DISTRICT III

Ojo Alamo: 1,406'

Kirtland: 1,523'

Fruitland: 1,828'

Fruitland Coal Perforations

1,956'-62'

1,966'-76'

1'979'-81'

4 spf

72 Holes

8-3/4" Hole

5-1/2" 15.5# Casing set @ 2,198'
Cemented w/ 731 cuft
(Circulated to Surface)

PBTD: 2,145'

Carracas 12 B 16

P&A

Basin Fruitland Coal

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Rio Arriba County, NM / API # 30-039-24724

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9-5/8" 36# Casing set @ 305'
Cement w/ 228 cuft
(Circulated to Surface)

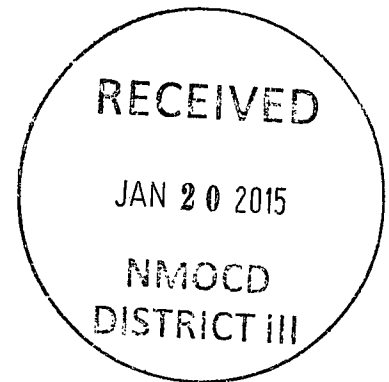
Top Plug
355' to Surface
47.5 cuft

Bottom Plug
1,906' to 1,305'
80.3 cuft

CIBP
Set @ 1,906'

Fruitland Coal Perforations
1,956'-62' 4 spf
1,966'-76' 72 Holes
1'979'-81'

5-1/2" 15.5# Casing set @ 2,198'
Cemented w/ 731 cuft
(Circulated to Surface)



PBTD: 2,145'

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: Carracas 12B #16

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

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.