

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

AUG 23 2011

## SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.

NMSF079488A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Carson #5A

9. API Well No.

30-039-26146

10. Field and Pool, or Exploratory Area  
Blanco MV/PC

11. County or Parish, State

Rio Arriba NM

## SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

3a. Address

2010 Afton Place, Farmington, NM 87401

3b. Phone No. (include area code)

(505) 325-6800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

At Surface: 700' FSL, 415' FEL  
Sec. 30, T30N, R04W

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

## TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

## TYPE OF ACTION

- |   |  |  |   |
|---|--|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat              | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <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 shall 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 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 Plans to Plug and Abandon the Carson #5A.

\*See attached for procedure and wellbore diagram.



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

Name (Printed/Typed)

Justin Anchors

Title District Engineer

Signature

Date 8/12/2011

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

AUG 25 2011

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, 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.

NMOCD

**“WORK SMART/WORK SAFE”**

**Recommended Plugging Procedure**

**Carson #5A**

**API No. 30-039-26146**

**DP# 3199007A/B**

**AFE# SJ11-305**

**NOTE: See pertinent data for physical well data.**

**\*\*\*\*Well may contain H2S\*\*\*\***

**\*\*\*\*Notify BLM – NMOCD 24 hours before plugging operations commence\*\*\*\***

1. MIRU WSU. POOH and lay down rods and pump.
2. Scan TBG while POOH to check for holes. Lay down bad jts. Good joints may be used to replace TBG on other wells after job is complete.
3. PU and TIH w/ 4-1/2" CIBP and TBG to 6194'. Set CIBP. Test CIBP to 500 psig.
4. Pull TBG to 6190'. Set a balanced cement plug inside casing from 6008' to 6194' w/ 22 sks (25 cu.ft.) of neat cement (50% excess) to cover Mesaverde top @ 6058'. Pull TBG above cement. Wait 4 hours and tag cement.  
→ Mesaverde plug 5262' - 5162' 5212'
5. Pull TBG to 4753'. Set a balanced cement plug inside casing from 4501' to 4753' w/ 39 sks (45 cu.ft.) of neat cement (50% excess) to cover 7" casing shoe and 4-1/2" liner top. Pull TBG above cement. Wait 4 hours and tag cement. POOH w/ TBG.
6. PU and TIH w/ 7" CIBP and TBG to 4202'. Set CIBP. Test CIBP to 500 psig.
7. Pull TBG to 4195'. Set a balanced cement plug inside casing from 3530' to 4202' w/ 194 sks (223 cu.ft.) of neat cement (50% excess) to cover Fruitland, Kirtland, and Ojo Alamo tops. Pull TBG above cement. Wait 4 hours and tag cement.  
2526 2426
8. Pull TBG to 2150'. Set a balanced cement plug inside casing from 2050' to 2150' w/ 29 sks (34 cu.ft.) of neat cement (50% excess) to cover Nacimiento top @ 2100'. Pull TBG above cement. Wait 4 hours and tag cement.  
2476'
9. Pull TBG to 380'. Set a balanced cement plug inside casing from 380' to surface w/ 110 sks (126 cu.ft.) of neat cement (50% excess). Pull TBG out of casing and top off w/ cement.
10. ND BOP and cut off casing below surface casing flange. Install P&A marker w/ cement to comply w/ regulations. RDMO and cut off anchors.

# Carson #5A

## Proposed P&A

Blanco Mesaverde/Pictured Cliffs / API #30-039-26146

700' FSL & 415' FEL, Section 30, T-30-N, R-4-W, Rio Arriba County, NM

Today's Date: 8/15/11

Spud: 9/13/99

Completed: 10/10/99

Elevation: 7504' GL  
7516' KB

Nacimiento @ 2100' \*est

Ojo Alamo @ 3580'

Kirtland @ 3815'

October 2004: Perforate @ 3870' and 3885'.  
Squeeze with 50 sxs cement.

Fruitland @ 4130'

Pictured Cliffs @ 4250'

Lewis @ 4507'

Huerfano Bentonite @ 5210'

Cliff House @ 6058'

Mesaverde @ 6058'

12.25" hole

8.75" Hole

6.25" Hole

9.625", 36#, J-55 ST&C Casing set @ 330'  
Cement with 140 sxs (Circulated to Surface)

**Plug #5: 380' – 0'**  
Neat cement, 110 sxs

**Plug #4: 2150' – 2050'**  
Neat cement, 29 sxs

**Plug #3: 4202' – 3530'**  
Neat cement, 194 sxs

**Set CIBP @ 4202'**

Pictured Cliffs Perforations: 4252' – 4505'  
36 total holes

**Plug #2: 4753' – 4501'**  
Neat cement, 39 sxs:

7", 23#, J-55 LT&C Casing set @ 4703'  
Cement with 725 sx (Circulated to Surface)

**Plug #1: 6194' – 6008'**  
Neat cement, 22 sxs

**Set CIBP @ 6194'**

Mesaverde Perforations: 6244' – 6508',  
33 total holes; 6601' – 6820', 33 total holes.

4.5" 10.5# J-55 ST&C Casing from 4551' to 7019'  
Cement with 265 sx (Circulated to liner top)

TD 7019'  
PBTD 6975'

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 5A Carson

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) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Place the Mesaverde plug from 5262' – 5162'.
  - b) Place the Nacimiento plug from 2526' – 2426'.

x 12-1-84

115

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.