Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED
FEB 02 2008
Bureau of Land Management
Farmington Field Office

5. Lease Serial No.
NMSF 078200B

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No
Riddle B #224

2. Name of Operator
Energen Resources Corporation

9. API Well No.
30-045-27077

3a Address
2010 Afton Place, Farmington, NM 87401

3b. Phone No. *(include area code)*
(505) 325-6800

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

4. Location of Well *(Footage, Sec., T, R., M., or Survey Description)*
1455 fsl, 845 fel
(I) Sec 27, T30N, R10W

11. County or Parish, State
San Juan NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☒ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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 would like to re-complete the Riddle B #224 by deepening the well from 2572' to a new TD of 2800', PBTD of 2755'. This will allow proper pump placement to optimize pumping the produced Fruitland Coal water. This will be done by:

*Drilling a 6 1/4" hole and setting a 5 1/2" 15.5 ppf, J-55, FJ liner from 2375 to 2800'. Cement with 50 sks 50/50 Type V cement or equivalent.

*Reperforate through the 5 1/2" liner and existing 7" casing and re-complete the Fruitland Coal by hydraulic fracture stimulation.

RCVD FEB 6 '08
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Nathan Smith

Title
Drilling Engineer

Date 02/01/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason

Title

Date FEB 05 2008

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

Operations Plan

February 1, 2008

Riddle B #224

General Information

Location	1455 fsl, 845 fel sene S27, T30N, R10W San Juan County, New Mexico
Elevations	6026' GL
Total Depth	2800' (MD)
Formation Objective	Basin Fruitland Coal

Formation Tops

San Jose	Surface
Nacimiento	424'
Ojo Alamo Ss	1272'
Kirtland Sh	1407'
Fruitland Fm	2300'
Top Coal	2440'
Bottom Coal	2566'
Pictured Cliffs Ss	2570'
Total Depth	**2800'**

Drilling

The 6 ¼" wellbore will be drilled with a low solids fresh water/polymer drilling fluid system. Mud density is expected to range from 8.3 ppg to 8.9 ppg.

Blowout Control Specifications:

A 2000 psi minimum double ram or annulus BOP stack (figure 1) will be used following nipple up of casing head. A 2" nominal, 2000 psi minimum choke manifold will also be used. An upper Kelly Cock valve handle and drill string valve should be available to fit each drill string and be available on the rig floor during drilling operations.

Logging Program:

Open hole logs: None
Coring: None
Surveys: Surface and every 200 ft to TD.

Tubulars

Casing, Tubing, & Casing Equipment:

String	Interval	Wellbore	Casing	Csg Wt	Grade
Production	2375'-2800'	6 ¼"	5 ½"	15.5 ppf	J-55 FJ
Tubing	0'-2745'		2 3/8"	4.7 ppf	J-55

Casing Equipment:

Production Liner: Cement nose guide shoe with self fill insert float collar on top of bottom joint and casing centralization with standard bow spring centralizers to optimize standoff.

Wellhead

Nipple up existing wellhead with new seals and gasket rigs

Cementing

Production Liner: Before cementing, circulate hole at least 1 ½ hole volumes of mud and reduce funnel viscosity to minimum to aide in hole cleanout. Cement with 50 sks 50/50 1.0 % $CaCl_2$, 0.10% CFR-3, and ½ #/sk Flocele (13.5 ppg, 1.30 ft^3/sk)

Pump 20 bbls gelled water spacer ahead of cement.

Other Information

1) This well will be cased and the Basin Fruitland Coal fracture stimulated.
2) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control.
4) No abnormal temperatures or pressures are anticipated.
5) This gas is dedicated.