

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 30 2012

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 an abandoned well. Use Form 3160-3 (APD) for such proposals.

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.	SE-079487
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA/Agreement, Name and/or No.	San Juan 30-4 Unit
8. Well Name and No.	San Juan 30-4 Unit 21
9. API Well No.	30-039-07813
10. Field and Pool, or Exploratory Area	East Blanco Pictured Cliffs
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
2198 Bloomfield Highway, Farmington, NM 87401

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
850' FNL, 987' FWL, Sec. 22, T30N, R04W, N.M.P.M.

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 recompleate 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 recompleation 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 permanently Plug and Abandon the San Juan 30-4 #21 according to the attached procedure

Notify NMOCD 24 hrs
prior to beginning
operations

RCUD MAY 8 '12

OIL CONS. DIV.

DIST. 3

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

Collin Placke

Title District Engineer

Signature

Collin Placke

Date 4/25/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason

Title

Date

MAY 02 2012

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

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PLUG AND ABANDONMENT PROCEDURE

April 9, 2012

San Juan 30-4 #21

East Blanco Pictured Cliffs

850' FNL, 987' FWL, Section 22, T30N, R4W, Rio Arriba County, New Mexico

API 30-039-07813 / Long _____ / Lat: _____

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

1. 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.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes _____, No X, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 2-3/8", Length 4520'.
Packer: Yes X, No _____, Unknown _____, Type _____.

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip 5.5" gauge ring or casing scraper to 4254' or as deep as possible.

4. **Plug #1 (Pictured Cliffs interval and Fruitland top, ⁴⁰⁸⁰4254' – ~~4118'~~)**: TIH and set 5.5" CR at 4254'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix ~~22~~ sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs interval and the Fruitland top. PUH.
5. **Plug #2 (Kirtland and Ojo Alamo tops, ^{3975 3640}~~3934'~~ - ~~3650'~~)**: Spot ~~36~~ sxs Class B cement inside casing to cover the Kirtland and Ojo Alamo tops. TOH with tubing.
6. **Plug #3 (Nacimiento top, 2422' – 2322')**: Perforate 3 squeeze holes at 2422'. Establish injection rate into squeeze holes if casing tested. Set 5.5" cement retainer at 1942'. Sting into CR and establish injection rate. Mix 60 sxs Class B cement squeeze 43 sxs outside casing and leave 17 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
7. **Plug #4 (9-5/8" surface casing shoe, 175' - Surface)**: Perforate 3 squeeze holes at 175'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 75 sxs Class B cement and pump down the 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

San Juan 30-4 #21

Current

East Blanco Pictured Cliffs

850' FNL & 987' FWL, Section 22, T-30-N, R-4-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-07813

Today's Date: 4/9/12

Spud: 8/3/58

Completed: 9/13/58

Elevation: 7658' GI
7268' KB

12-1/4" hole

9-5/8" 24.5#, Casing set @ 125'
Cmt with 150 sxs (Circulated to Surface)

Squeeze casing leak at 1534' with 25 sxs;
P/T to 500#. (2002)

2-3/8" tubing at 4555' with SN at 4520'

Nacimiento @ 2372' *est

Ojo Alamo @ 3700'

TOC at 3600' (T.S.)

Kirtland @ 3884'

Fruitland @ 4168'

Perforate 3845' – 3846 and squeeze
Coal section w/100 sxs (1958)

Pictured Cliffs @ 4302'

Pictured Cliffs Perforations:
4304' – 4572'

8-3/4 hole

5-1/2" 15.5#, J-55 Casing set @ 4597'
Cement with 200 sxs

TD 4598'
COTD 4578'

San Juan 30-4 #21

Proposed P&A

East Blanco Pictured Cliffs

850' FNL & 987' FWL, Section 22, T-30-N, R-4-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-07813

Today's Date: 4/9/12

Spud: 8/3/58

Completed: 9/13/58

Elevation: 7658' GI
7268' KB

12-1/4" hole

9-5/8" 24.5#, Casing set @ 125'
Cmt with 150 sxs (Circulated to Surface)

Perforate @ 175'

Plug #4: 175' - 0'
Class B cement, 75 sxs

Squeeze casing leak at 1534' with 25 sxs;
P/T to 500#. (2002)

Nacimiento @ 2372' *est

Cmt Retainer @ 2372'

Plug #3: 2422' - 2322'
Class B cement, 60 sxs:
43 outside and 17 inside

Perforate @ 2422'

TOC at 3600' (T.S.)

Ojo Alamo @ 3700'

Plug #2: 3934' - 3650'
Class B cement, 38 sxs

Kirtland @ 3884'

Plug #1: 4254' - 4118'
Class B cement, 22 sxs

Fruitland @ 4168'

Set CR @ 4254'

Pictured Cliffs @ 4302'

Pictured Cliffs Perforations:
4304' - 4572'

8-3/4" hole

5-1/2" 15.5#, J-55 Casing set @ 4597'
Cement with 200 sxs

TD 4598'
COTD 4578'

**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: 21 San Juan 30-4 Unit

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 Pictured Cliffs/Fruitland plug from 4254' – 4080'.
 - b) Place the Kirtland/Ojo Alamo plug from 3975' –3640.
 - c) Place the Nacimiento plug from 2641' – 2541' inside and outside the 5 ½" casing.

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.