

State of New Mexico
Energy, Minerals and Natural Resources Department

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: November 27, 2013

Application Type:

☒ P&A ☐ Drilling/Casing Change ☐ Recomplete/DHC
☐ Location Change ☐ Other: _____

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-22119-00-00	JICARILLA 67	020	ENERGEN RESOURCES CORPORATION	G	A	Rio Arriba	J	E	30	25	N	5	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Run CBL to verify TOC and submit it to agencies for review prior to cementing

NMOCD Approved by Signature

12-19-13
Date

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

DEC 03 2013

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)

1830' FNL, 1170' FWL, Sec. 30, T25N, R05W, N.M.P.M.
(E) SW/NW

5. Lease Serial No.

Jicarilla Contract 67

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

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

8. Well Name and No.

Jicarilla 67 #20

9. API Well No.

30-039-22119

10. Field and Pool, or Exploratory Area

Blanco PC South

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

- ☒ 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 recomple 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 recomple 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 subject well as per the attached.

OIL CONS. DIV DIST. 3

DEC 09 2013

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

Anna Stotts

Title Regulatory Analyst

Signature

Anna Stotts

Date 11/27/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

DEC 15 2013

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.

RECEIVED

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PLUG AND ABANDONMENT PROCEDURE

May 17, 2013

Jicarilla 67 #20

Undesignated Pictured Cliffs

1830' FNL, 1170' FWL, Section 30, T25N, R5W, Rio Arriba County, New Mexico

API 30-039-22119 / 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____, No X, Unknown____, Size _____, Length _____.
Packer: Yes____, No X, Unknown____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip 2.875" gauge ring to 2512' or as deep as possible. PU tubing workstring.
4. **Plug #1 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 2512' – 2044')**: TIH and set 2-7/8" wireline CIBP at 2512'. 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 15 sxs Class B cement and spot a balanced plug (2-stages) inside the casing above the CIBP to isolate the Pictured Cliffs interval and cover through the Ojo Alamo tops. TOH with tubing.
5. **Plug #2 (Nacimiento top, ⁶⁵⁰589' – ⁵⁵⁰489')**: Perforate 3 squeeze holes at ⁶⁵⁰589'. Set 2-7/8" wireline set cement retainer at ⁵⁵⁰539'. Mix 40 sxs Class B cement squeeze 35 sxs outside casing and leave 5 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
6. **Plug #3 (8-5/8" surface casing shoe, 180' - Surface)**: Perforate 3 squeeze holes at 180'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 65 sxs Class B cement and pump down the 2-7/8" casing to circulate good cement out bradenhead. Shut in well and WOC.
7. 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.

Jicarilla 67 #20

Current

Undesignated Pictured Cliffs

1830' FNL & 1170' FWL, Section 30, T-25-N, R-5-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-22119

Today's Date: 5/17/13
Spud: 9/17/79
Completed: 10/15/79
Elevation: 6599' GI

12.25" hole

8-5/8" 24#, k-55 Casing set @ 130'
Cmt with 112 cf (Circulated to Surface)

Nacimiento @ 539' *est

TOC at 1900' (T.S.)

Ojo Alamo @ 2094' *est

Kirtland @ 2214' *est

Fruitland @ 2382' *est

Pictured Cliffs @ 2562'

Pictured Cliffs Perforations:
2562' – 2600'

6-3/4" Hole

2-7/8" 6.4#, J-55 Casing set @ 2654'
Cement with 195 cf

TD 2666'
PBD 2655'

Jicarilla 67 #20

Proposed P&A

Undesignated Pictured Cliffs

1830' FNL & 1170' FWL, Section 30, T-25-N, R-5-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-22119

Today's Date: 5/17/13
Spud: 9/17/79
Completed: 10/15/79
Elevation: 6599' GI

12.25" hole

Nacimiento @ 539' *est

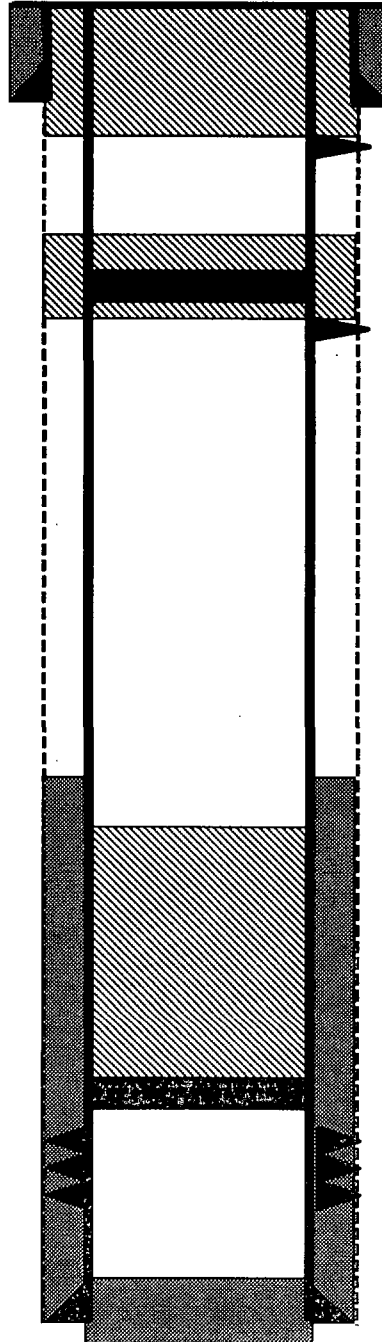
Ojo Alamo @ 2094' *est

Kirtland @ 2214' *est

Fruitland @ 2382' *est

Pictured Cliffs @ 2562'

6-3/4" Hole



8-5/8" 24#, k-55 Casing set @ 130' .
Cmt with 112 cf (Circulated to Surface)

Perforate @ 180'

Plug #3: 180' - 0'
Class B cement, 65 sxs

CR @ 539'

Plug #2: 589' - 489'
Class B cement, 40 sxs:
35 outside and 5 inside

Perforate @ 589'

TOC at 1900' (T.S.)

Plug #1: 2512' - 2044'
Class B cement, 15 sxs (2-stages)

Set CIBP @ 2512'

Pictured Cliffs Perforations:
2562' - 2600'

2-7/8" 6.4#, J-55 Casing set @ 2654'
Cement with 195 cf

TD 2666'
PBD 2655'

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: 20 Jicarilla 67

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 Nacimiento plug from 650' - 550' inside and outside the 2 7/8" 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.