

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 24 2014

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.

5. Lease Serial No.

Jicarilla Contract 95

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

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

8. Well Name and No.

Jicarilla 95 # 8A

9. API Well No.

30-039-21260

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

Gavilan 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

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)

990' FSL, 990' FEL, Sec.26, T27N, R03W (P)

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

☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☒ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

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 P&A this well according to the attached procedure.

RCVD FEB 26 '14
OIL CONS. DIV.
DIST. 3Notify NMOCD 24 hrs
prior to beginning
operations

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

Name (Printed/Typed)

Adam Klem

Title District Engineer

Signature

Date 2/21/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason

Title

Date FEB 25 2014

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

PLUG AND ABANDONMENT PROCEDURE

September 16, 2013

Jicarilla 95 #8A

Blanco Mesaverde

990' FSL, 990' FEL, Section 26, T27N, R3W, Rio Arriba County, New Mexico

API 30-039-21260 / 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. 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.
2. Rods: Yes _____, No X, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 2-3/8", Length 3642'.
Packer: Yes _____, No X, Unknown _____, Type _____.

NOTE: Will need to drill out 2 CIBP set at 4130' and 4165'. PU swivel and DC with metal mulcher bit. Drill out CIBP(s) and circulate well clean. Round trip gauge ring to 6024'.

3. **Plug #1 (Mancos interval, 6024' – 5924')**: TIH and set 4.5" CR at 6024'. Pressure test tubing to 1000#. Mix 12 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Mancos interval. PUH and WOC. TIH and tag cement. If necessary re-spot plug.
4. **Plug #2 (Mesaverde top, 5678' - 5578')**: TIH and set 4.5" CR at 5678'. Load casing with water and circulate well clean. (note: well has known casing leak, P/T after Plug #3). Mix 12 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Mesaverde interval. PUH.
5. **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, ^{3975' 3354'} ~~3789' - 3470'~~)**: Spot 72 sxs Class B cement (Note: excess due to casing leaks) inside casing to cover the Kirtland and Ojo Alamo tops. SI well and WOC. TIH and tag cement at least 50' above Ojo Alamo top. If necessary spot additional plug. TOH.
6. **Plug #4 (Nacimiento top, ^{2288' 2188'} ~~2045'~~ – 1995')**: Perforate 3 squeeze holes at ^{2288'} ~~2045'~~. Establish injection rate into squeeze holes if casing tested. Set 4.5" cement retainer at ^{2288'} ~~2045'~~. Sting into CR and establish injection rate. Mix 51 sxs Class B cement squeeze 39 sxs outside casing and leave 12 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
7. **Plug #5 (8-5/8" surface casing shoe, 361' - Surface)**: Perforate 3 squeeze holes at 361'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 120 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
9. 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 95 #8A

Proposed P&A Blanco Mesaverde

990' FSL & 990' FEL, Section 26, T-27-N, R-3-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-21260

Today's Date: 9/16/13
Spud: 8/31/76
Completed: 11/3/76
Elevation: 7305' GI

12-1/4" hole

Nacimiento @ 1995' *est

Ojo Alamo @ 3220'

Kirtland @ 3387' *est

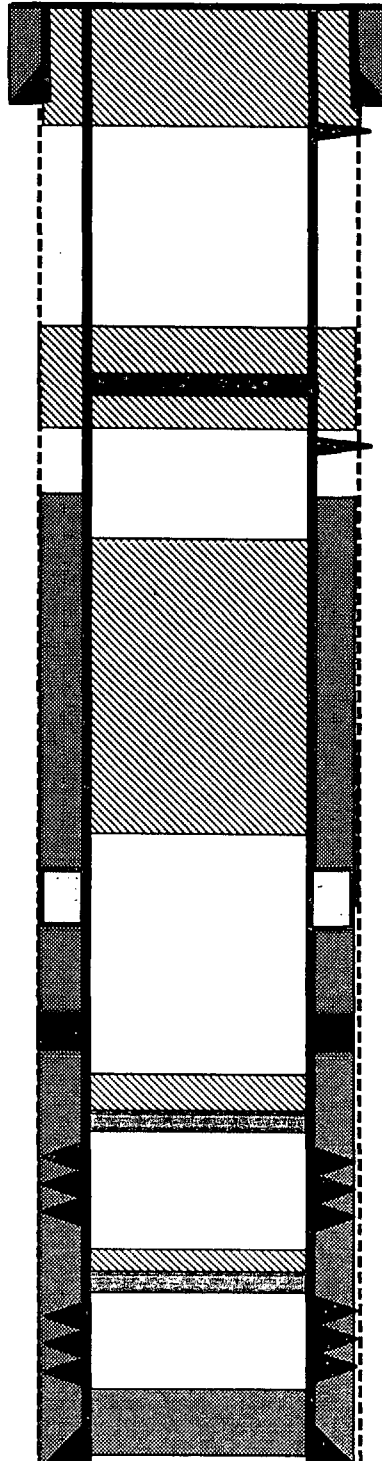
Fruitland @ 3480'

Pictured Cliffs @ 3739'

Mesaverde @ 5714'

Mancos @ 6239'

7-7/8" hole



8-5/8", 20#, MISCO Casing set @ 311'
Cmt with 300 sxs (Circulated to Surface)

Perforate @ 361'

Plug #5: 361' - 0'
Class B cement, 120 sxs

Set CR @ 1995'

Plug #4: 2045' - 1995'
Class B cement, 51 sxs:
12 inside and 39 outside

Perforate @ 2045'

TOC @ 2900' CBL

Plug #3: 3789' - 3170'
Class B cement, 72 sxs
(excess due to casing leaks)

Attempt to squeeze off casing leaks
with 493 sxs cement in 4 different attempts from 3756' to
3899'; still leaks. (June 2013)

DV Tool @ 4220'
Stage 2: Cement with 1100 sxs

Set CR @ 5678' Plug #2: 5678' - 5578'
Class B cement, 12 sxs

Mesaverde Perforations:
5728' - 5988'
6074' - 6272'

Set CR @ 6024' Plug #1: 6024' - 5924'
Class B cement, 12 sxs

4-1/2" 10.5#, X-55 Casing set @ 6300'
Stage 1: Cement with 500 sxs
TOC @ top of DV Tool

TD 6300'
PBD 6293'

Jicarilla 95 #8A

Current

Blanco Mesaverde

990' FSL & 990' FEL, Section 26, T-27-N, R-3-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-21260

Today's Date: 9/16/13

Spud: 8/31/76

Completed: 11/3/76

Elevation: 7305' GI

12-1/4" hole

8-5/8", 20#, MISCO Casing set @ 311'
Cmt with 300 sxs (Circulated to Surface)

Nacimiento @ 1995' *est

2-3/8" 4.7#, J-55 casing at 3642'

TOC @ 2900' CBL

Ojo Alamo @ 3220'

Kirtland @ 3387' *est

Fruitland @ 3480'

Pictured Cliffs @ 3739'

Attempt to squeeze off casing leaks
with 493 sxs cement in 4 different attempts from 3756' to
3899'; still leaks. (June 2013)

CIBP @ 4130(6/13)

CIBP @ 4165' (6/13)

DV Tool @ 4220'

Stage 2: Cement with 1100 sxs

Mesaverde @ 5714'

Mesaverde Perforations:

5728' - 5988'

6074' - 6272'

Mancos @ 6239'

7-7/8" hole

4-1/2" 10.5#, X-55 Casing set @ 6300'
Stage 1: Cement with 500 sxs
TOC @ top of DV Tool

TD 6300'
PBD 6293'

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 8A Jicarilla 95

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 Chacra Equiv. plug from 4513'- 4413'.
 - b) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 3975'- 3354'.
 - c) Place the Nacimiento plug from 2288'- 2188' inside and outside the 4 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.