

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2007 JUL 19 PM 2 51

2. Name of Operator

ENERGEN RESOURCES CORPORATION

RECEIVED

3a. Address

2198 Bloomfield Highway, Farmington, NM 87401

070-FARMINGTON, NM

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

790' FNL, 1208' FWL, Sec. 7, T26N, R3W, N.M.P.M.

5. Lease Serial No.

Jicarilla 97

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 97 #4

9. API Well No.

30-039-06639

10. Field and Pool, or Exploratory Area

Tapacito Pictured Cliffs

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

☐ 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 Plug and Abandon the Jicarilla 97 #4 Tapacito PC as per attached procedure.

RCVD JUL 30 '07

OIL CONS. DIV.

DIST. 3

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

Justin M. Stoworthy

Title

District Engineer

Date 7/18/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date JUL 25 2007

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.

PLUG AND ABANDONMENT PROCEDURE

July 5, 2007

Jicarilla 97 #4

Tapacito Pictured Cliffs

790' FNL & 1208' FWL, Section 7, T26N, R3W
Rio Arriba County, New Mexico, API #30-039-06639

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Energen safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 2.375" tubing, total tally, 3674' with SN at 3638'. If necessary LD tubing and PU workstring. Round trip 4.5" gauge ring or casing scraper to 3500'.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops, 3619' – 3085'):**
Note: due to heavy casing corrosion below 3574' set CR higher and squeeze cement below CR. TIH and set CR at 3500'. Mix 70 sxs Type III cement and squeeze 30 sxs below CR to isolate PC perforations and corroded casing and leave 40 sxs above CR to cover through the Ojo Alamo tops. PUH and WOC. TIH and tag cement at least 3085' or higher. Attempt to pressure test casing to 800 PSI. *If casing does not test then spot or tag subsequent plugs as appropriate.* TOH with tubing.
4. **Plug #2 (Nacimiento top, ^{1953'} ~~1845'~~ – ^{1853'} ~~1745'~~):** Perforate 3 squeeze holes at 1815'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 1765'. Establish rate into squeeze holes. Mix and pump 32 sxs cement, squeeze 21 sxs outside the 4.5" casing and leave 11 sxs inside the casing to cover the Nacimiento top. TOH and LD tubing.
5. **Plug #3 (7.625" casing shoe and surface, 379' - Surface):** Perforate 3 squeeze holes at 379'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 85 sxs cement down the 4.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
6. 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 97 #4

Proposed P&A

Tapacito Pictured Cliffs

790' FNL & 1208' FWL, NW, Section 7, T-26-N, R-3-W

Rio Arriba County, NM / API #30-039-06639

Today's Date: 7/5/2007

Spud: 7/12/64

Completion: 8/31/64

Elevation: 6941' KB

Nacimiento @ 1765'

Ojo Alamo @ 3135'

Kirtland @ 3345'

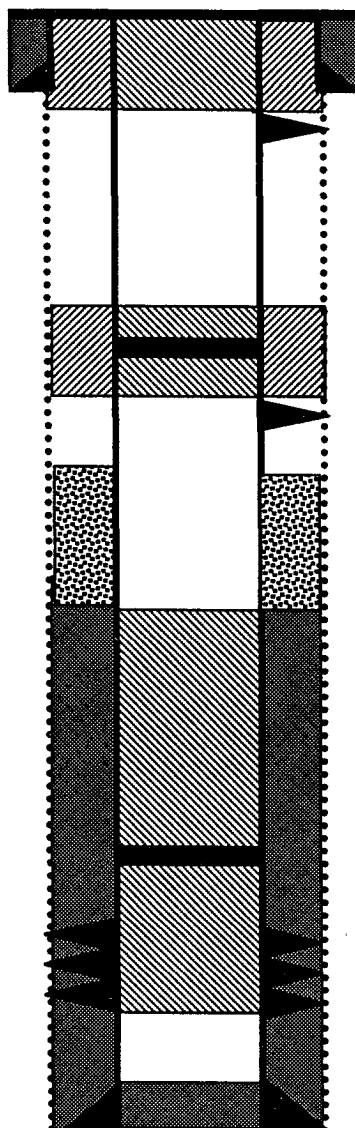
Fruitland @ 3448'

Pictured Cliffs @ 3645'

11" hole

6.75" hole

TD 3835'



7.625" 24#, H-40 Casing set @ 329'
Cement with 175 sxs (Circulated to Surface)

Perforate @ 379'

Plug #3: 379' - 0'
Type III cement, 85 sxs

Cement Retainer @ 1765'
Plug #2: 1815' - 1715'
Type III cement, 32 sxs:
21 outside and 11 inside

Perforate @ 1815'

Isolate casing leak 2153' to 2866'.
Squeeze with 80 sxs (2006)

TOC @ 2980' (CBL 2007)

Plug #1: 3698' - 3085'
Type III cement, 70 sxs:
30 sxs below CR
(excess due to rotted casing)
and 40 sxs above CR

Set CR at 3500'

Note: Casing Inspection Log shows
very corroded pipe below 3574'
(2007)

Pictured Cliffs Perforations:
3669' - 3698'
(Re-perfed 2006)

4.5" 9.5#, J-55 Casing set @ 3835'
Cemented with 125 sxs (195 cf)

Jicarilla 97 #4

Current

Tapacito Pictured Cliffs

790' FNL & 1208' FWL, NW, Section 7, T-26-N, R-3-W

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11" hole

6.75" hole

TD 3835'

7.625" 24#, H-40 Casing set @ 329'
Cement with 175 sxs (Circulated to Surface)

WELL HISTORY

Dec '06: Isolate casing leaks. Set CR at 3510'. Squeeze with 80 sxs. Drill out cement and CR. Pressure test casing to 500 PSI, held good. Re-perforate pay zone from 3669' to 3698'. Land tubing at 3674' with SN at 3638'.

May '07: TOH with tubing. Ran Casing Inspection log, CBL and Multi Sensor Caliper. TOC at 2980. Found sections of casing below 3574' very corroded. Land tubing at 3674', with SN at 3638'. Note: tubing has turned down collars.

2.375" Tubing at 3674'
(SN @ 3638')

Isolate casing leak 2153' to 2866'.
Squeeze with 80 sxs (2006)
TOC @ 2980' (CBL 2007)

Note: Casing Inspection Log shows very corroded pipe below 3574' (2007)

Pictured Cliffs Perforations:
3669' - 3698'
(Re-perfed 2006)

4.5" 9.5#, J-55 Casing set @ 3835'
Cemented with 125 sxs (195 cf)

**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: 4 Jicarilla 97

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 Nacimiento plug from 1953' –1853' 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.

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from 7/19/07 in order to determine if they would like to assume ownership of the well. If the Jicarilla Apache Nation has not contacted your office before the end of the 45 days you may proceed with plugging operations.