

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
Jic. Contract #13-A

6. If Indian, Allottee or Tribe Name
Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.
Jicarilla P 6

8. Well Name and No.
Jicarilla P 6

9. API Well No.
03-039-05280

10. Field and Pool, or Exploratory Area
Ballard Pictured Cliffs

11. County or Parish, State
Rio Arriba NM

SUBMIT IN TRIPLICATE - Other instructions on page 2 RECEIVED

1. Type of Well
 Oil Well Gas Well Other
NOV 12 2014

2. Name of Operator
ENERGEN RESOURCES CORPORATION
Farmington Field Office

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)
790' FSL, 1850' FEL, Sec. 27, T24N, R05W. N.M.P.M. (O) SW/SE

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 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 intents to Plug and Abandon the Jicarilla P #6 per the attached procedure.

This will be a closed loop operation. BLM and NMOCD will be notified 24 hours prior to commencing operation.

Notify NMOCD 24 hrs prior to beginning operations

OIL CONS. DIV DIST. 3

NOV 19 2014

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) **CHARLIE DONAHUE** Title **PRODUCTION ENGINEERING MANAGER**

Signature *Charlie Donahue* Date **11/12/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Troy Salvors** Title **PE** Date **11/17/2014**

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 **FFO**

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.

Jicarilla P #6 Current

Ballard Pictured Cliffs
790' FSL, 1850' FEL, Section 27, T-24-N, R-5-W,
Rio Arriba County, NM / API #30-039-05280
Lat _____ / Long _____

Today's Date: 11/7/2014
Spud: 5/20/55
Completed: 5/29/55
Elevation: 6443' GI

12-1/4" hole

9-5/8", 32# H-40 Casing set @ 106'
Cement with 75 sxs (Circulated to Surface)

Nacimiento @ 908' *est

1-1/4" tubing landed at 2315'

TOC unknown, did not circulate

Ojo Alamo @ 1772' *est

OIL CONS. DIV DIST. 3

NOV 19 2014

Kirtland @ 1932'

Fruitland @ 2109'

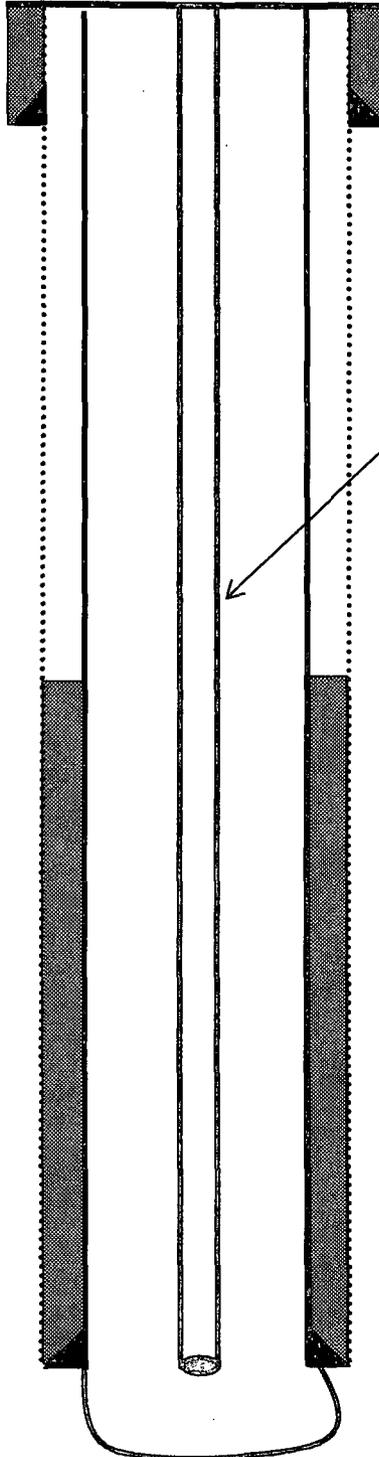
Pictured Cliffs @ 2270'

7-7/8" hole

5.5", 15.5#, J-55 Casing set @ 2283'
Cement with 100 sxs

Pictured Cliffs Open Hole:
2283' - 2330'

TD 2330'

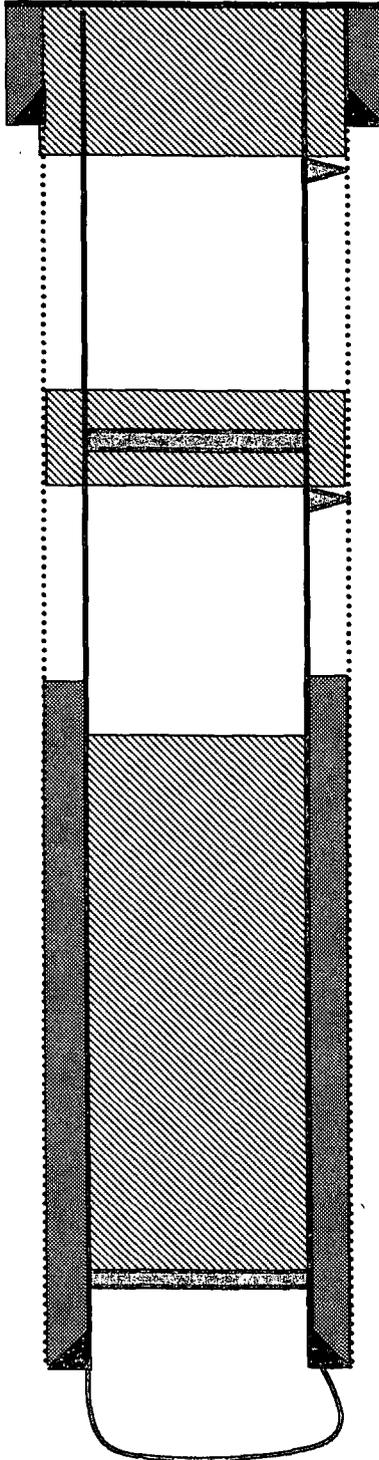


Jicarilla P #6 Proposed P&A

Ballard Pictured Cliffs
790' FSL, 1850' FEL, Section 27, T-24-N, R-5-W,
Rio Arriba County, NM / API #30-039-05280
Lat _____ / Long _____

Today's Date: 11/7/2014
Spud: 5/20/55
Completed: 5/29/55
Elevation: 6443' Gl

12-1/14" hole



Nacimiento @ 908' *est

Ojo Alamo @ 1772' *est

Kirtland @ 1932'

Fruitland @ 2109'

Pictured Cliffs @ 2270'

7-7/8" hole

TD 2330'

9-5/8", 32# H-40 Casing set @ 106'
Cement with 75 sxs (Circulated to Surface)

Perforate @ 156'

Plug #3: 156' - 0'
Class B cement, 65 sxs

Set CR @ 908'

Plug #2: 958' - 858'
Class B cement, 47 sxs:
30 outside and 17 inside

Perforate @ 958'

TOC unknown, did not circulate

Plug #1: 2233' - 1722'
Class B cement, 64 sxs

OIL CONS. DIV DIST. 3

NOV 19 2014

Set CR @ 2233'

5.5", 15.5#, J-55 Casing set @ 2283'
Cement with 100 sxs

Pictured Cliffs Open Hole:
2283' - 2330'

PLUG AND ABANDONMENT PROCEDURE

November 7, 2014

Jicarilla P #6

Ballard Pictured Cliffs

790' FSL, 1850' FEL, Section 27, T24N, R5W, Rio Arriba County, New Mexico

API 30-039-05280 / 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 will 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 1-1/4", Length 2315'.
Packer: Yes _____, No X, Unknown_____, Type _____.

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Note: LD 1-1/4" tubing and PU workstring. Round trip gauge ring or casing scraper to 2233' or as deep as possible.

4. **NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**
5. **Plug #1 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops 2233' – 1722')**: TIH and set 5.5" CR at 2233'. 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 64 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops. TOH.
See CoA
6. **Plug #2 (Nacimiento top 958' – 858')**: Perforate squeeze holes at 958'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 908'. Mix and pump 47 sxs Class B cement, squeeze 30 sxs outside 5.5" casing and leave 17 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
7. **Plug #3 (9-5/8" surface casing shoe, 156' - Surface)**: Perforate 3 squeeze holes at 156'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 65 sxs Class B cement and pump down the 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
8. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations.

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: Jicarilla P #6

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
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). Set plug #2 (430-0) ft. Inside/outside to cover the Nacimiento top and surface casing shoe. Adjust cement volume accordingly. BLM picks top of Nacimiento at 380 ft.

Plug #2 will account for plugs #2 and #3.

Operator will run a CBL from 2233 ft., or as deep as possible, to verify cement top. Outside plugs may be revised, based on CBL result. Submit electronic copy of the log for verification to the following addresses: tsalyers@blm.gov Brandon.Powell@state.nm.us

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.