

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

Heather Riley, 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: Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-06296-00-00	JICARILLA CONTRACT 155	008	ENERVEST OPERATING L.L.C.	G	S	Rio Arriba	J	J	29	26	N	5	W

Application Type:

- ☒ P&A ☐ Drilling/Casing Change ☐ Location Change
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA
Underground injection control Guidance #84; Submit Gas Capture Plan form prior to
spudding or initiating recompletion operations)
☐ Other:

Conditions of Approval:

- Notify NMOCD 24hrs prior to beginning operations.
- Extend plug #1 down to 2752 as originally proposed to cover the perforations.
With the BLM conditions this plug will be from 2752'-2162'.
- If there is not cement as shown by CBL above 2162', plug #1 may be required to
be split into separate formation plugs.

NMOCD Approved by Signature

6/13/18
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

MAY 11 2018

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.

Contract No. 155

6. If Indian, Allottee, or Tribe Name

Jicarilla Apache Tribe

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

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

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

8. Well Name and No.

Jicarilla Contract 155 No. 008

2. Name of Operator

Enervest Operating, LLC

9. API Well No.

30-039-06296

3a. Address

1001 Fannin St., Suite 800 Houston, TX 77002-6707

3b. Phone No. (include area code)

713-659-3500

10. Field and Pool, or Exploratory Area

Blanco P.C South (Prorated Gas)

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

Sec. 29, T26N, R05W 1650' FSL 1800' FEL (UL J)

11. County or Parish, State

Rio Arriba, New Mexico

12. CHECK THE 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 if the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed c testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamantion, have been completed, and the operator h

EnerVest Operating, LLC respectfully requests authorization to plug and abandon this well.

Please see attached Plug and Abandonment Procedure, Wellbore Diagrams and Site Reclamation Plan.

NMOC

MAY 11 2018

DISTRICT III

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

Shelly Doescher

Title

Agent

Signature

Shelly Doescher

Date

April 29, 2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Sarah N. [Signature]

Title

Supr MRS

Date

5/2/18

Conditions of approval, if any are attached. Approval of this notice does not warrant or c that the applicant holds legal or equitable title to those rights in the subject lease which w entitle the applicant to conduct operations thereon.

Office

FRU

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the Unit fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCDAV

PLUG AND ABANDONMENT PROCEDURE

February 26, 2018

Jicarilla Contract 155 #008

South Blanco Pictured Cliffs
1650' FSL and 1800' FEL, Section 29, T26N, R5W
Rio Arriba County, New Mexico / API 30-039-06296
Lat: N 36.45554/ Long: W -107.38034

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 G, mixed at 15.8 ppg with a 1.15 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 ☒ , Unknown ☐ .
Tubing: Yes ☒ , No ☐ , Unknown ☐ , Size 2.375" , Length 2807' .
Packer: Yes ☐ , No ☒ , Unknown ☐ , Type .
1. **NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or 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.**
2. **Plug #1 (Pictured Cliffs interval and Fruitland, Kirtland and Ojo Alamo tops, 2752' – 2231'):** Round trip 5.5" mill to 2752' or as deep as possible. RIH and set 5.5" CR at 2752'. Pressure test tubing to 1000#. Circulate well clean. **Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate.** Mix 70 sxs Class G cement inside casing from 2752' and cover the PC interval through the Ojo Alamo top. TOH.
3. **Plug #2 (Nacimiento top, 1022' – 922'):** Perforate 3 squeeze holes at 1072. Establish circulation with water if casing tested. RIH and set CR at 1022'. Mix and pump 42 sxs Class G cement; squeeze 24 sxs outside casing and leave 18 sxs inside casing to cover the Nacimiento top. TOH.
4. **Plug #3 (8.625" casing shoe and Surface, 185' – 0'):** Perforate 4 squeeze holes at 185'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 60 sxs Class G cement and pump down the 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
5. 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

Jicarilla Contract 155 #8

Current

South Blanco Pictured Cliffs

1650' FSL, 1800' FEL, Section 29, T-26-N, R-5-W

Rio Arriba County, NM, API #30-039-06296

Today's Date: 2/26/18

Spud: 11/18/55

Completed: 12/22/55

Elevation: 6441' GI

12.25" hole

8-5/8" 24# Casing set @ 135'
Cement with 100 sxs, circulated

Nacimiento @ 1022'

2-3/8" tubing at 2807'

Ojo Alamo @ 2281'

TOC unknown, did not circulate

Kirtland @ 2486'

Fruitland @ 2550'

Pictured Cliffs @ 2600'

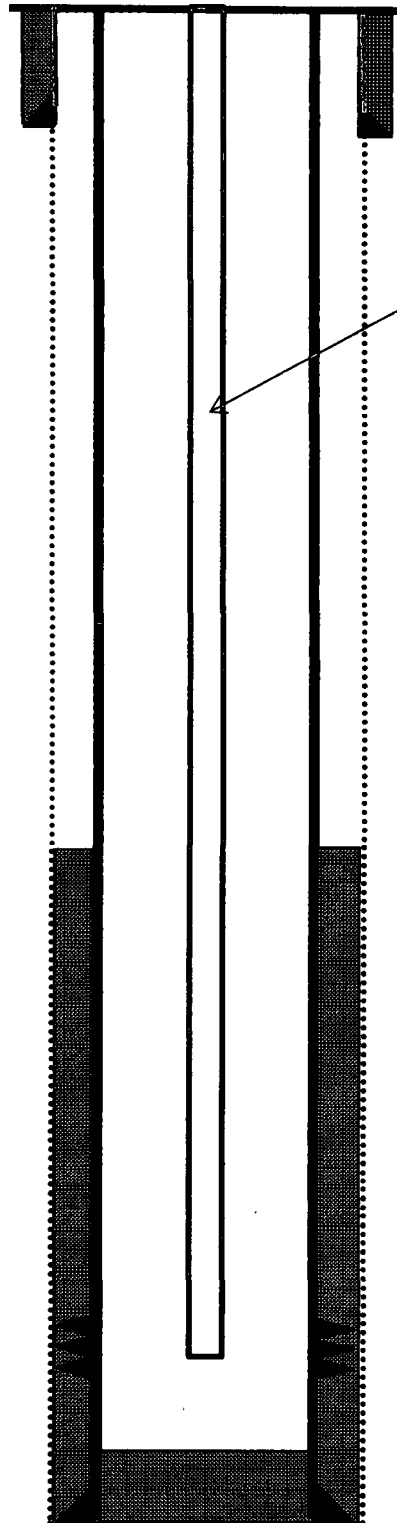
Pictured Cliffs Perforations:
2802' - 2831'

7-7/8" hole

5.5" 14# Casing set @ 2857'
Cement with 100 sxs

TD 2857'
PBTD 2845'

TD 2857'
PBTD 2845'



Jicarilla Contract 155 #8

Proposed P&A

South Blanco Pictured Cliffs

1650' FSL, 1800' FEL, Section 29, T-26-N, R-5-W

Rio Arriba County, NM, API #30-039-06296

Today's Date: 2/26/18

Spud: 11/18/55

Completed: 12/22/55

Elevation: 6441' GI

Plug 3: 185' - 0'

Class G cement, 60 sxs

12.25" hole

8-5/8" 24# Casing set @ 135'

Cement with 100 sxs, circulated

Perforate @ 185'

Nacimiento @ 1022'

Set CR @ 1022'

Perforate @ 1072'

Plug 2: 1072' - 972'

Class G cement, 42 sxs:
18 inside and 24 outside

TOC unknown, did not circulate

Ojo Alamo @ 2281'

Plug #1: 2752' - 2231'

Class G cement, 70 sxs

Kirtland @ 2486'

Fruitland @ 2550'

Pictured Cliffs @ 2600'

Set CR @ 2752'

Pictured Cliffs Perforations:
2802' - 2831'

7-7/8" hole

5.5" 14# Casing set @ 2857'
Cement with 100 sxs

TD 2857'
PBSD 2845'

**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 Contract 155 No. 008**

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) Set Plug #1 (2572 - 2162) ft. to cover the Pictured Cliffs perforations and the Fruitland, Kirtland, and Ojo Alamo tops. BLM picks top of Ojo Alamo at 2212 ft.**
- b) Set Plug #2 (880 - 780) ft. inside/outside to cover the Nacimiento top. BLM picks top of Nacimiento at 830 ft.**

Operator must run a CBL to verify cement top. Submit the 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.

**NMOC
JUN 08 2018
DISTRICT III**