

UNITED STATES **RECEIVED**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT **MAY 31 2017**

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

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.

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.
Contract No. 126

6. If Indian, Allottee, or Tribe Name
Jicarilla Apache Tribe

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

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

2. Name of Operator
Enervest Operating, LLC

8. Well Name and No.
Keetom Jicarilla No. 001

3a. Address
1 Fannin St., Suite 800 Houston, TX 77002-6707

3b. Phone No. (include area code)
713-659-3500

9. API Well No.
30-039-20203

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 12, T24N, R04W 1850' FNL 790' FWL (UL E)

10. Field and Pool, or Exploratory Area
So. Blanco PC

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 recomplete 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 recompletion 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 reclamation, 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.**

OIL CONS. DIV DIST. 3

JUN 09 2017

Notify NMOCD 24 hrs
prior to beginning
operations

**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)
Shelly Doescher Title **Agent**

Signature *Shelly Doescher* Date **May 30, 2017**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Abdelgadir Elmadani** Title **PE** Date **6/2/17**

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 **EFO**

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 United States or any officer or employee thereof to issue, publish, disseminate, or otherwise make available any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

u

PLUG AND ABANDONMENT PROCEDURE

May 17, 2017

Keetom Jicarilla #1

South Blanco Pictured Cliffs
1850' FNL and 790' FWL, Section 12, T24N, R4W
Rio Arriba County, New Mexico / API 30-039-20203
Lat: N 36.3267 / Lat: W -107.21529 NAD 83

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 , Unknown .
Tubing: Yes , No , Unknown , Size 1.75", Length 3042'.
Packer: Yes , No , Unknown , Type .
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **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.**
5. **Plug #1 (Pictured Cliffs Interval and Fruitland top, 3614' – 2787')**: Round trip gauge ring or casing scraper to tag existing retainer at 3614'. TIH with tubing and spot 113 sxs Class B cement (20% excess, open perms) from existing CR to isolate the Pictured Cliffs Interval and through Fruitland interval. PUH and WOC. TI Hand tag cement 50' Fruitland top. If necessary top off Plug #1. TOH with tubing.
6. **Plug #2 (Kirtland and Ojo Alamo tops, 2704' – 2437')**: Perforate HSC squeeze holes at 2704'. Establish injection rate. RIH and set CR at 2654'. TIH with tubing and sting into CR. Pressure test tubing to 1000#. Sting out of CR. **Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate.** Sting into CR. Establish injection rate. Mix 115 sxs Class B cement, squeeze 79 sxs outside casing and leave 36 sxs inside casing. TOH.
7. **Plug #3 (Nacimiento top, 1200' – 1100')**: Perforate HSC squeeze holes at 1200'. Establish injection rate. RIH and set CR at 1150. TIH with tubing and sting into CR. Establish rate. Mix 47 sxs Class B cement, squeeze 30 sxs outside casing and leave 17 sxs inside casing. TOH and LD tubing.

8. **Plug #4 (8.625" Surface casing shoe, 259' – 0')**: Perforate 3 squeeze holes at 259'. 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 to surface. Shut in well and WOC.

9. 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

Keetom Jicarilla #1

Proposed P&A

South Blanco Pictured Cliffs

1850' FNL, 790' FWL, Section 12, T-24-N, R-4-W,

Rio Arriba County, NM / API #30-039-20203

Lat N 36.3267 / Long W -107.21529 NAD 83

Today's Date: 5/17/17

Spud: 5/18/69

Completed: 7/12/69

Elevation: 6812' GL

Nacimiento @ 1150'

Ojo Alamo @ 2487'

Kirtland @ 2654'

Fruitland @ 2837'

Pictured Cliffs @ 2984'

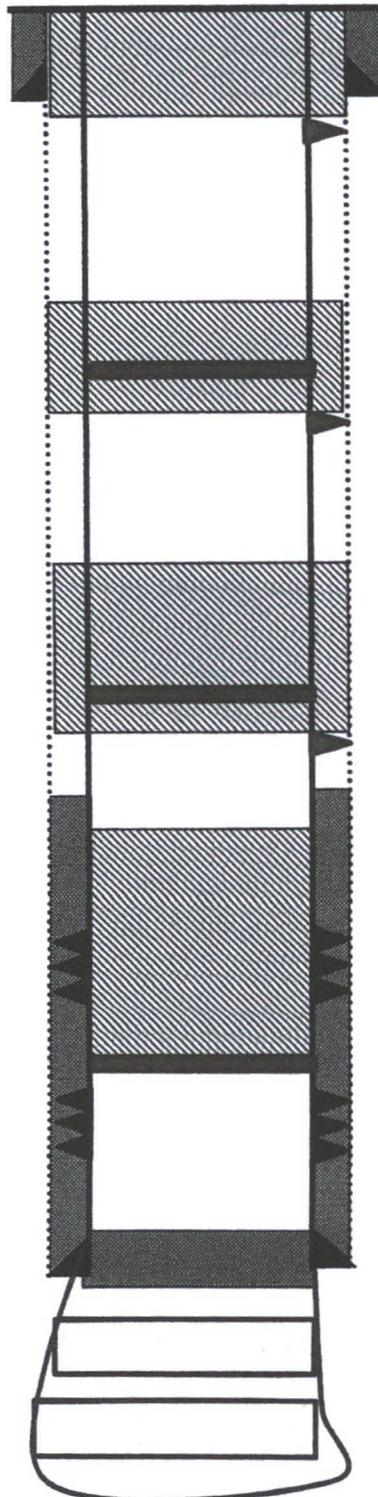
Chacra @ 3853'

Mesaverde 4627'

Mancos @ 5273'

12.75" hole

7.875" hole



8.625" 24# Casing set @ 209'
Cement with 150 sxs, circulated to surface

Perforate @ 259'

Plug #4: 259' - 0'
Class B cement, 65 sxs:

Set CR @ 1150'

Plug #3: 1200' - 1100'
Class B cement, 47 sxs:
17 inside and 30 outside

Perforate @ 1200'

Set CR @ 2654'

Plug #2: 2704' - 2437'
Class B cement, 115 sxs:
36 inside and 79 outside

Perforate @ 2704'

TOC unknown, did not circulate

Plug #1: 3614' - 2787'
Class B cement, 113 sxs
(20% excess; open perms)

Pictured Cliffs Perforations:
2985' - 3023'

Set Baker Model "K" retainer at 3614'
(1969).

Chacra Perforations:
3859' - 3861'

5.5", 14# Casing set @ 4107'
Cement with 350 sxs

Plug #2: 4600' - 4700' 32 sxs (1969)

Plug #1: 5100' - 5200' 32 sxs (1969)

TD 5350'
PBTD 3614'

Keetom Jicarilla #1

Current

South Blanco Pictured Cliffs

1850' FNL, 790' FWL, Section 12, T-24-N, R-4-W,

Rio Arriba County, NM / API #30-039-20203

Lat N 36.3267 / Long W -107.21529 NAD 83

Today's Date: 5/17/17

Spud: 5/18/69

Completed: 7/12/69

Elevation: 6812' GL

Nacimiento @ 1150'

Ojo Alamo @ 2487'

Kirtland @ 2654'

Fruitland @ 2837'

Pictured Cliffs @ 2984'

Chacra @ 3853'

Mesaverde 4627'

Mancos @ 5273'

12.75" hole

7.875" hole

8.625" 24# Casing set @ 209'
Cement with 150 sxs, circulated to surface

1.75" tubing @ 3042'

TOC unknown, did not circulate

Pictured Cliffs Perforations:
2985' - 3023'

Set Baker Model "K" retainer at 3614'
(1969).

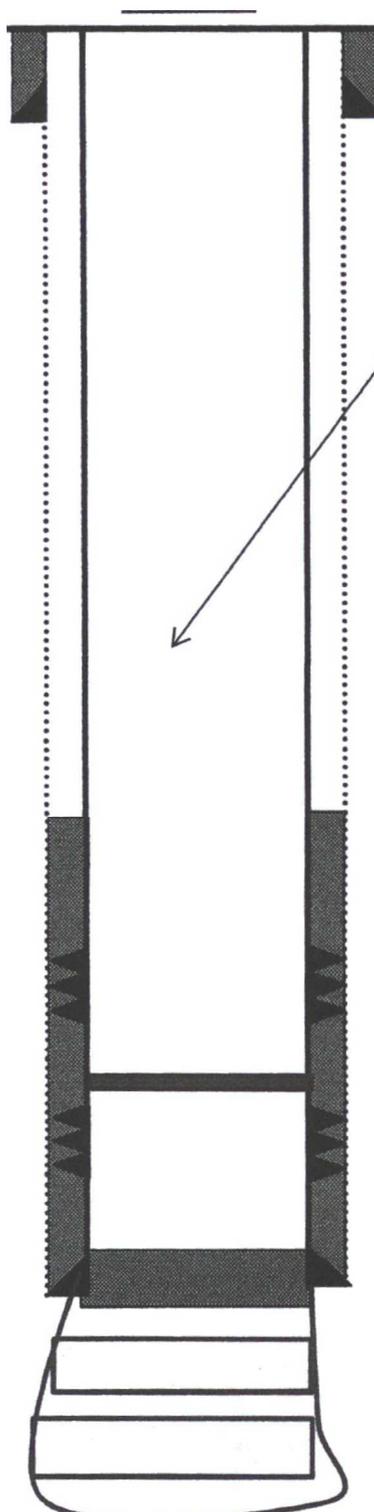
Chacra Perforations:
3859' - 3861'

5.5", 14# Casing set @ 4107'
Cement with 350 sxs

Plug #2: 4600' - 4700' 32 sxs (1969)

Plug #1: 5100' - 5200' 32 sxs (1969)

TD 5350'
PBSD 3614'



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: Keetom Jicarilla #1

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.
 - a) Set Plug #3 (1143'-1043') ft inside/outside. to cover the Nacimiento top. BLM picks top of Nacimiento at 1093' ft.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: aelmadani@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.