

UNITED STATES **RECEIVED**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

5. Lease Serial No.
Jicarilla Contract 110

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.
Jicarilla A No. 007

2. Name of Operator
enerVest Operating, LLC

8. Well Name and No.
Jicarilla A No. 007

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

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

9. API Well No.
30-039-08097

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 17, T26N, R05W 1595' FSL 900' FWL (UL L)

10. Field and Pool, or Exploratory Area
Basin Dakota (prorated gas)

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 days 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 if testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamation, have been completed, and the operator has

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

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

SEE ATTACHED FOR CONDITIONS OF APPROVAL

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

Signature: *Shelly Doescher*

Title: **Agent**

Date: **May 30, 2017**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: **Abdelgadir Elmadani**

Title: **PE**

Office: **FFO**

Date: **6/7/17**

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.

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

PLUG AND ABANDONMENT PROCEDURE

May 8, 2017

Jicarilla A #7 Basin Dakota

1595' FSL, 900' FWL, Section 17, T26N, R5W, Rio Arriba County, New Mexico
API 30-039-08097 Lat N 36.48345 / Long W -107.38779

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 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 2-3/8", Length 7354'.
Packer: Yes , No , Unknown , Type .
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
Note: Round trip gauge ring to 7322' 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 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 (Dakota perforations and top, 7322' – 7222')**: RIH and set 4.5" cement retainer at 7322'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing to 800#. **If the casings do not test, then spot or tag subsequent plugs as appropriate.** Circulate well clean. Mix 12 sxs Class B cement inside casing above CR to isolate the Dakota interval. PUH.
6. **Plug #2 (Gallup top, 6460' – 6360')**: Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Gallup top. PUH.
7. **Plug #3 (Mancos and Mesaverde tops, 5572' – 4800')**: Mix and pump 63 sxs Class B cement and spot a balanced plug inside casing to cover the Mancos and Mesaverde tops. PUH.
8. **Plug #5 (Chacra top, 4123' – 4023')**: Perforate squeeze holes at 4123'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 4073'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Mesaverde top. PUH.

9. **Plug #5 (Pictured Cliffs , Fruitland, Kirtland and Ojo Alamo tops, 3190' – 2514')**: Mix and pump 56 sxs Class B cement and spot a balanced plug inside casing to cover through the Ojo Alamo top. TOH.
10. **Plug #6 (Nacimiento top, 1312' – 1212')**: Perforate squeeze holes at 1312'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 1262'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
11. **Plug #7 (8.625" surface casing shoe, 463' - Surface)**: Perforate 3 squeeze holes at 463'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 14578 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
12. 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

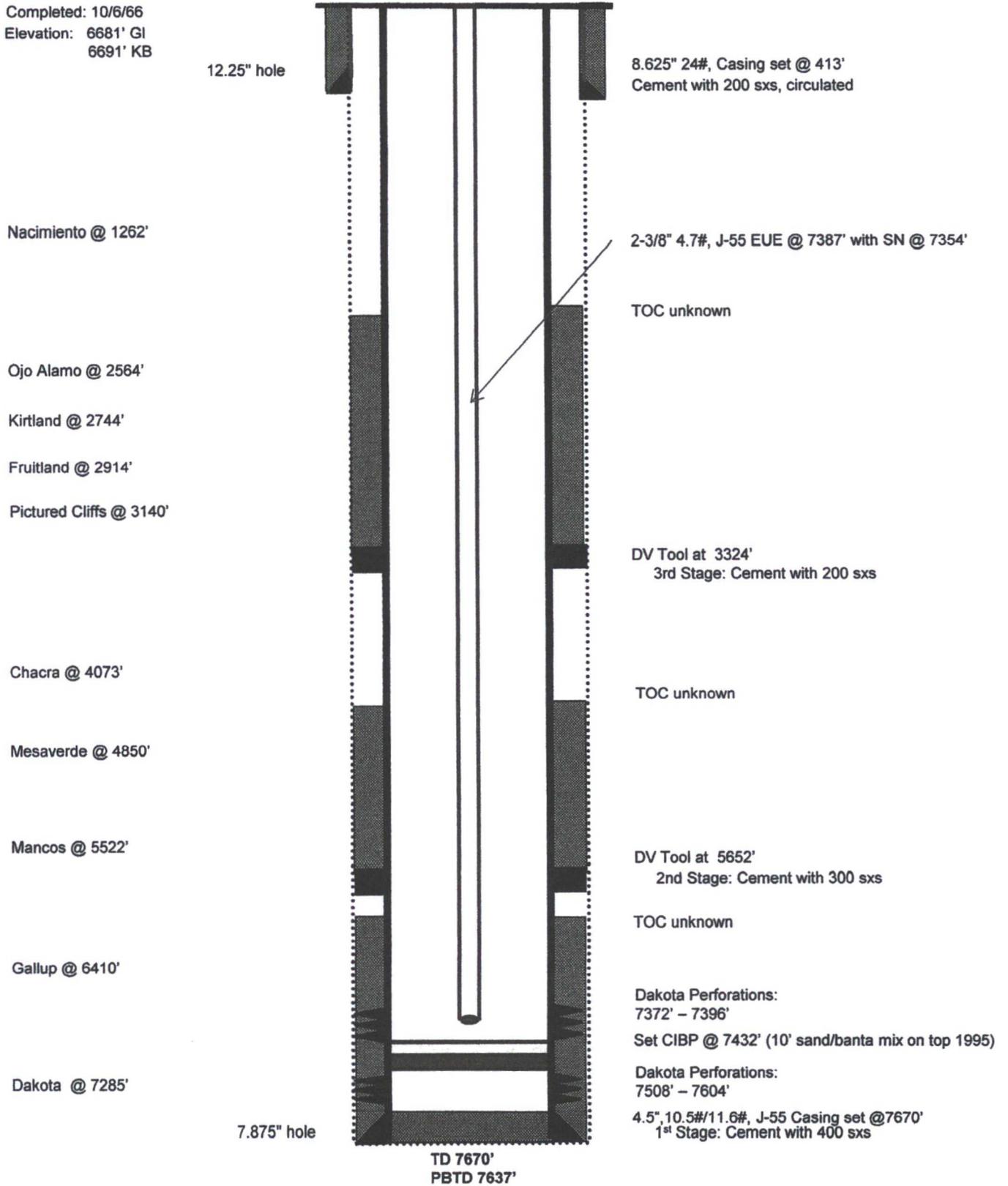
Jicarilla A #7

Current
Basin Dakota

1595' FSL, 900' FWL, Section 17, T-26-N, R-5-W

Rio Arriba County, NM, API #30-039-08097

Today's Date: 5/8/17
Spud: 7/29/66
Completed: 10/6/66
Elevation: 6681' GI
6691' KB



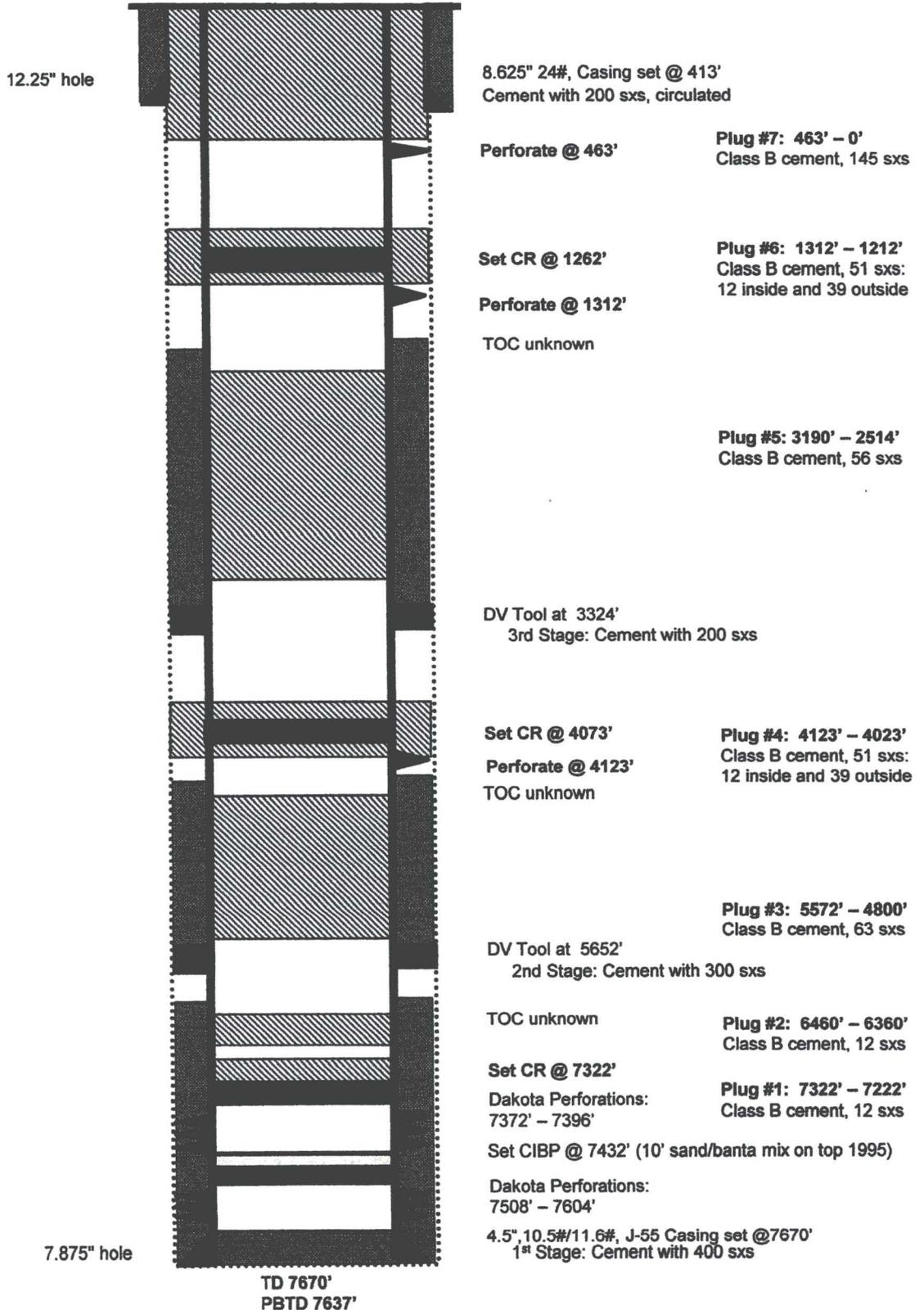
Jicarilla A #7

Proposed P&A

Basin Dakota

1595' FSL, 900' FWL, Section 17, T-26-N, R-5-W
Rio Arriba County, NM, API #30-039-08097

Today's Date: 5/8/17
Spud: 7/29/66
Completed: 10/6/66
Elevation: 6681' GI
6691' KB



12.25" hole

8.625" 24#, Casing set @ 413'
Cement with 200 sxs, circulated

Perforate @ 463'

Plug #7: 463' - 0'
Class B cement, 145 sxs

Nacimiento @ 1262'

Set CR @ 1262'

Plug #6: 1312' - 1212'
Class B cement, 51 sxs:
12 inside and 39 outside

Perforate @ 1312'

TOC unknown

Ojo Alamo @ 2564'

Kirtland @ 2744'

Fruitland @ 2914'

Pictured Cliffs @ 3140'

DV Tool at 3324'
3rd Stage: Cement with 200 sxs

Plug #5: 3190' - 2514'
Class B cement, 56 sxs

Chacra @ 4073'

Set CR @ 4073'

Perforate @ 4123'

TOC unknown

Plug #4: 4123' - 4023'
Class B cement, 51 sxs:
12 inside and 39 outside

Mesaverde @ 4850'

Mancos @ 5522'

DV Tool at 5652'
2nd Stage: Cement with 300 sxs

Plug #3: 5572' - 4800'
Class B cement, 63 sxs

Gallup @ 6410'

TOC unknown

Set CR @ 7322'

Dakota Perforations:
7372' - 7396'

Set CIBP @ 7432' (10' sand/banta mix on top 1995)

Plug #2: 6460' - 6360'
Class B cement, 12 sxs

Dakota @ 7285'

Dakota Perforations:
7508' - 7604'

Plug #1: 7322' - 7222'
Class B cement, 12 sxs

7.875" hole

4.5", 10.5#/11.6#, J-55 Casing set @ 7670'
1st Stage: Cement with 400 sxs

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 A #007

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 (5940'-4800') ft. to cover the Mancos top. BLM picks the top of Mancos at 5890' ft.
 - b) Set Plug #4 (4123'-3992') ft. to cover the Chacra top. BLM picks the top of the Chacra at 4042' 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.