

UNITED STATES
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 127

6. If Indian, Allottee, or Tribe Name

RCVD OCT 15 '14

Jicarilla Apache Tribe

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well



Oil Well



Gas Well



Other

2. Name of Operator

Enervest Operating, LLC

3a. Address

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

3b. Phone No. (include area code)

713-659-3500

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

660' FSL & 660' FWL (UL M) Sec.03, T24N, R04W

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

OIL CONS. DIV.

8. Well Name and No.

Jicarilla Apache 127 #115

9. API Well No.

DIST. 3

30-039-21815

10. Field and Pool, or Exploratory Area

Lindrith Gallup/Dakota West

11. County or Parish, State

Rio Arriba, NM

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 (testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamantion, have been completed, and the operator h determined that the site is ready for final inspection.)

Enervest Operating, LLC proposes to plug and abandon this well.

P & A will commence prior to February 2015. The start and completion of this work is subject to changes due to rig availability, weather and road conditions.

A Closed-Loop System will be used for this operation. Attached is Procedure and Wellbore Diagram.

**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)

Michelle Doescher

Title

Regulatory Consultant

Signature

Date

October 1, 2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy Salvors

Title **PE**

Date **10/14/2014**

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 **FFO**

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.

(Instructions on page 2)

NMOCD

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PLUG AND ABANDONMENT PROCEDURE

September 2, 2014

Jicarilla Apache 127 #115

Lindrith Gallup / Dakota West
660' FSL and 660' FWL, (UL M) Section 3, T24N, R4W
Rio Arriba County, New Mexico / API 30-039-21815
Lat: N _____ / Lat: W _____

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 well requires 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 X, Unknown____.
Tubing: Yes____, No X, Unknown____, Size____, Length____.
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 where a T.S. or 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/Gallup perforations and top, 6167' – 6067'):** Round trip gauge ring or casing scraper to 6167', or as deep as possible. RIH and set 4.5" cement retainer at 6167'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing to 1000#. **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 from 6167' to isolate the Dakota/Gallup interval. PUH.

See COA
6. **Plug #2 (Mancos top, 5363' – 5263'):** Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Mancos top. PUH.

See COA
7. **Plug #3 (Mesaverde and Chacra tops, 4567' – 4235'):** Mix and pump 29 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.

Note: the CBL may change Plug #4. Several attempts were made to squeeze casing leaks but the squeezes were not successful. Plug #4 will be modified as necessary.

8. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2903' – 2299')**: Mix and pump 50 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. TOH.
9. **Plug #5 (Nacimiento top, 1025' – 927')**: Perforate squeeze holes at 1025'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 1027'. 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.
10. **Plug #6 (8.625" surface casing shoe, 445' - Surface)**: Perforate 3 squeeze holes at 445'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 140 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
11. 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 Apache 127 #115

Proposed P&A

Lindrith Gallup / Dakota West

660' FSL, 660' FWL (UL M) Section 3, T24N, R4W

Rio Arriba County, NM, API #30-039-21815

Today's Date: 9/2/14

Spud: 12/27/78

Completed: 5/4/79

Elevation: 6768' GI
6781' KB

12.25" hole

8.625" 24#, Casing set @ 395'
Cement with 250 sxs, circulated

Nacimiento @ 977' *est

TOC unknown

Note: casing did **NOT** test
after squeezes (2014)

Ojo Alamo @ 2349' *est

Isolate casing leak from
2598' to 2396' with 15 sxs
(2014)

Kirtland @ 2542' *est

Isolate leak with 118 sxs
from 2412' to 2729' (2014)

Fruitland @ 2726' *est

Isolate leak from 2954' to
2752' with 15 sxs (2014)

Pictured Cliffs @ 2853'

Isolate leak from 2954' to
2604' with 27 sxs (2014)

Chacra @ 4295' *est

Mesaverde @ 4517'

DV Tool at 4000'
2nd Stage: Cement with 710 sxs

TOC unknown

Mancos @ 5313' *est

Gallup @ 6140'

Set CIBP @ 6167' (Feb '2014)

Gallup Perforations:
6217' – 6483'

Dakota Perforations:
7079- 7115'

Dakota @ 7070'

4.5", 10.5#/11.6#, K-55 Casing set @ 7414'
1st Stage: Cement with 600 sxs

7.875" hole

TD 7510'
PBDT 7407'

Jicarilla Apache 127 #115

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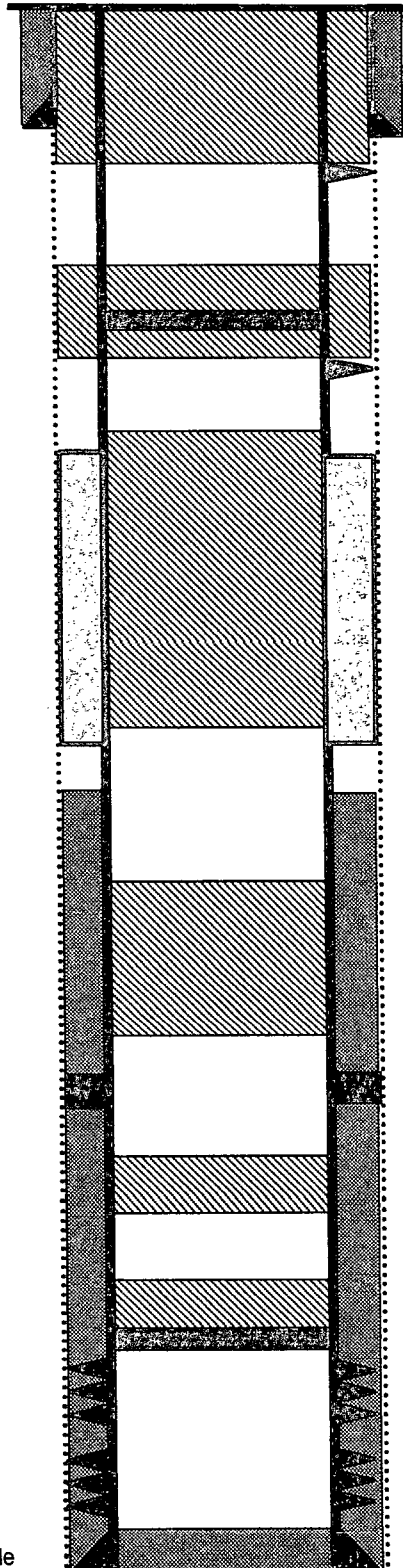
Mesaverde @ 4517'

Mancos @ 5313' *est

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Dakota @ 7070'

7.875" hole



TD 7510'
PBDT 7407'

8.625" 24#, Casing set @ 395'
Cement with 250 sxs, circulated

Plug #6: 445' - 0'
Class B cement, 140 sxs

Perforate @ 445'

TOC unknown

Set CR @ 977'

Plug #5: 1025' - 927'
Class B cement, 51 sxs:
12 inside 39 outside

Perforate @ 1027'

Note: casing did NOT test
after each squeezes (2014)

Isolate casing leak from
2598' to 2396' with 15 sxs
(2014)

Plug #4: 2903' - 2299'
Class B cement, 50 sxs

Isolate leak with 118 sxs
from 2412' to 2729' (2014)

Isolate leak from 2954' to
2752' with 15 sxs (2014)

Isolate leak from 2954' to
2604' with 27 sxs (2014)

Plug #3: 4567' - 4235'
Class B cement, 29 sxs

DV Tool at 4000'
2nd Stage: Cement with 710 sxs

TOC unknown

Plug #2: 5363' - 5263'
Class B cement, 12 sxs

Set CIBP @ 6167' (Feb '2014)
Gallup Perforations:
6217' - 6483'

Plug #1: 6167' - 6067'
Class B cement, 12 sxs

Dakota Perforations:
7079- 7115'

4.5", 10.5#/11.6#, K-55 Casing set @ 7414'
1st Stage: Cement with 600 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 Apache 127 #115

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) Bring the top of plug #2 to 5190 ft. to cover the Mancos top. Adjust cement volume accordingly.
- b) Bring the top of plug #3 to 3675 ft. to cover the Cliff House and Chacra tops. BLM picks top of Chacra at 3725 ft. Adjust cement volume accordingly.

Operator will run a CBL to verify cement top. Outside plugs will be required per CBL result. Submit a 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.