

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

MAY 03 2013

**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.*

**SUBMIT IN TRIPLICATE** - Other Instructions on reverse side.

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' FNL & 610' FEL (UL A)  
Sec. 12 T24N R04W**

5. Lease Serial No.  
**Office Jicarilla Contract 126**

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

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

8. Well Name and No.

**Apache #117**

9. API Well No.  
**30-039-21891**

10. Field and Pool, or Exploratory Area  
**Lindreth Gallup-Dakota, West**

11. County or Parish, State  
**Rio Arriba, NM**

12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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 recomple horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the 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 recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Addendum to NOI sundry dated 4/18/13.

Please see attached proposed P&A procedure, current WBD, & proposed P&A WBD

RCVD MAY 9 '13  
OIL CONS. DIV.  
DIST. 3

# Submit CBL to agencies for review prior to cementing

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

**Bart Trevino**

Title

**Regulatory Analyst**

Signature

Date

**May 2, 2013**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by **Original Signed: Stephen Mason**

Title

Date **MAY 06 2013**

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.

(Instructions on page 2)

NMOCDA

## PLUG AND ABANDONMENT PROCEDURE

### Apache #117

W. Lindrith Gallup / Dakota  
600' FNL and 610' FEL, Section 12, T24N, R4W  
Rio Arriba County, New Mexico / API 30-039-21891

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 ASTM Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires the Operator to obtain an approved 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  Length   
Packer: Yes ☐, No ☒, Unknown ☐, Type   
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.

**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.**

4. **Plug #1 (Dakota / Gallup perforations and tops, 6194' – 6094')**: TIH with open ended tubing workstring and tag existing CIBP (2009) set at 6410'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot a balanced plug above CIBP to isolate the Dakota / Gallup intervals. PUH.
6. <sup>5530 5430</sup> **Plug #2 (Mancos top, ~~5703'~~ - 5603')**: Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Mancos top. PUH.
7. <sup>4032 3932</sup> **Plug #3 (Mesaverde top, 4832' – 4732')**: Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
8. <sup>4032 3932</sup> **Plug #4 (Chacra top, 4052' - 3952')**: Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Chacra top. PUH.

- 2581
9. **Plug #5 (Pictured Cliff, Fruitland, Kirtland and Ojo Alamo tops, 3186' – ~~2601~~' ):** Mix and pump 40 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. PUH.
- 1300 1200
10. **Plug #6 (Nacimiento top, 1329' – 1229' ):** Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Nacimiento top. TOH and LD tubing.
11. **Plug #7 (8.625" casing shoe, 430' – 0' ):** Perforate 3 HSC squeeze holes at 430'. Establish circulation to surface out the 4.5" casing and bradenhead valve, circulate the BH annulus clean. Mix approximately 135 sxs Class B cement and pump down the 4.5" casing to circulate good cement to the surface. Shut in well and WOC.
12. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# Apache #117

## Current

W. Lindrith Gallup / Dakota

600' FNL, 610' FEL, Section 12, T-24-N, R-4-W

Rio Arriba County, NM, API #30-039-21891

Today's Date: 4/18/13

Spud: 3/21/79

Completed: 5/5/79

Elevation: 7662' GL  
7617' KB

12.25" hole

8.625" 24#, K-55 Casing set @ 380'  
Cement with 275 sxs, circulated

TOC @ 1159' (Calc, 75%)

Nacimiento @ 1279' \*est

Ojo Alamo @ 2651' \*est

Kirtland @ 2848' \*est

Fruitland @ 3030' \*est

Pictured Cliffs @ 3136'

Chacra @ 4002' \*est

DV Tool at 4253'  
2<sup>nd</sup> Stage: Cement with 700 sxs (940 cf)

TOC @ DV Tool (Calc, 75%)

Mesaverde @ 4782'

Mancos @ 5653' \*est

Gallup @ 6410'

Set CIBP @ 6410' (2009)

Gallup Perforations:  
6460' – 6498'

Dakota @ 7348'

Dakota Perforations:  
7352' – 7570'

7.875" hole

4.5" 10.5#/11.6# Casing set @ 7662'  
1<sup>st</sup> Stage: Cement with 600 sxs (1044 cf)

TD 7662'  
PBD 7617'

# Apache #117

## Proposed P&A

W. Lindrith Gallup / Dakota

600' FNL, 610' FEL, Section 12, T-24-N, R-4-W

Rio Arriba County, NM, API #30-039-21891

Today's Date: 4/18/13

Spud: 3/21/79

Completed: 5/5/79

Elevation: 7662' GL

7617' KB

Plug #7: 430' – 0'

Class B cement ,135 sxs

12.25" hole

8.625" 24#, K-55 Casing set @ 380'

Cement with 275 sxs, circulated

Perforate @ 430'

TOC @ 1159' (Calc, 75%)

Plug #6: 1329' – 1229'

Class B cement ,12 sxs

Nacimiento @ 1279' \*est

Ojo Alamo @ 2651' \*est

Kirtland @ 2848' \*est

Fruitland @ 3030' \*est

Pictured Cliffs @ 3136'

Plug #5: 3186' – 2601'

Class B cement ,49 sxs

Chacra @ 4002' \*est

Plug #4: 4052' – 3952'

Class B cement , 12 sxs

DV Tool at 4253'

2<sup>nd</sup> Stage: Cement with 700 sxs (940 cf)

TOC @ DV Tool (Calc, 75%)

Mesaverde @ 4782'

Plug #3: 4832' – 4732'

Class B cement , 12 sxs

Mancos @ 5653' \*est

Plug #2: 5703' – 5603'

Class B cement , 12 sxs

Gallup @ 6410'

Set CIBP @ 6410' (2009)

Plug #1: 6410' – 6310'

Class B cement , 12 sxs

Dakota @ 7348'

Gallup Perforations:

6460' – 6498'

Dakota Perforations:

7352' – 7570'

4.5" 10.5#/11.6# Casing set @ 7662'

1<sup>st</sup> Stage: Cement with 600 sxs (1044 cf)

7.875" hole

TD 7662'  
PBTD 7617'

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: 117 Apache

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) Place the Mancos plug from 5530' – 5430'.
  - b) Place the Chacra plug from 4032' – 3932'.
  - c) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 3186' - 2581'.
  - d) Place the Nacimiento plug from 1300'- 1200'.

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.