

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 02 2013

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

**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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No.
2. Name of Operator <b>EnerVest Operating, LLC</b>		6. If Indian, Allottee, or Tribe Name <b>Jicarilla Contract 126</b> <b>Jicarilla Apache Tribe</b>
3a. Address <b>1001 Fannin St, Suite 800</b> <b>Houston, TX 77002-6707</b>	3b. Phone No. (include area code) <b>713-659-3500</b>	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1810' FSL &amp; 840' FEL (UL I)</b> <b>Sec. 23 T24N R04W</b>		8. Well Name and No. <b>Apache #31</b>
		9. API Well No. <b>30-039-23029</b>
		10. Field and Pool, or Exploratory Area <b>Blanco P.C. South</b>
		11. County or Parish, State <b>Rio Arriba, NM</b>

**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 recompleat 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 recompleat 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 reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

**EnerVest Operating, L.L.C. intends to Plug and Abandon this well by 6/30/13 if weather and rig availability permit. Please see the attached Plug and Abandonment Procedure.**

\* File a copy of the referenced CBL w/agencies prior to cementing

RCVD MAY 7 '13  
OIL CONS. DIV.  
DIST. 3

**Attachments: P&A proposed procedure, Current WBD, Proposed WBD.**

14. I hereby certify that the foregoing is true and correct.	
Name (Printed/ Typed) <b>Bart Trevino</b>	Title <b>Regulatory Analyst</b>
Signature 	Date <b>May 1, 2013</b>

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

Approved by Original Signed: <b>Stephen Mason</b>	Title <b>Office</b>	Date <b>MAY 03 2013</b>
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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 #31

South Blanco/Pictured Cliffs  
1810' FSL and 840' FEL, Section 23, T24N, R4W  
Rio Arriba County, New Mexico / API 30-039-23029

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 2-3/8, Length 3076'.  
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 (Pictured Cliffs Interval, Fruitland, Kirtland and Ojo Alamo tops, 3005' – <sup>2500</sup>2612')**: Round trip gauge ring or casing scraper to 3005', or as deep as possible. RIH and set 4.5" cement retainer at 3005'. 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 ~~34~~ sxs Class B cement inside casing from CR to isolate the Pictured Cliffs Interval and through Ojo Alamo interval. TOH.
6. **Plug #2 (Nacimiento top, <sup>1271</sup>1400' – <sup>1171</sup>1390')**: Perforate HSC squeeze holes at <sup>1271</sup>1400'. Establish injection rate. RIH and set CR at <sup>1350</sup>1350'. TIH with tubing and sting into CR. Establish rate. Mix 51 sxs Class B cement, squeeze 39 sxs outside casing and leave 12 sxs inside casing. PUH.
7. **Plug #3 (8.625" Surface casing shoe, 187' – 0')**: Perforate 3 squeeze holes at 187'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 65 sxs Class B cement and pump down the 4.5" casing to circulate good cement to surface. Shut in well and WOC.
8. 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 #31

## Current

South Blanco/Pictured Cliffs

1810' FSL, 840' FEL, Section 23, T-24-N, R-4-W,

Rio Arriba County, NM / API #30-039-23029

Today's Date: 3/7/13

Spud: 7/9/82

Completed: 12/9/82

Elevation: 7027' GL  
7040' KB

12.25" hole

8.625" 24#, Casing set @ 137'  
Cement with 100 sxs (Circulated to Surface)  
With 2% CaCl

Nacimiento @ 1350' \*est

TOC @ 2070' (CBL)

Ojo Alamo @ 2662'

Kirtland @ 2729' \*est

Fruitland @ 2879'

Pictured Cliffs @ 3052'

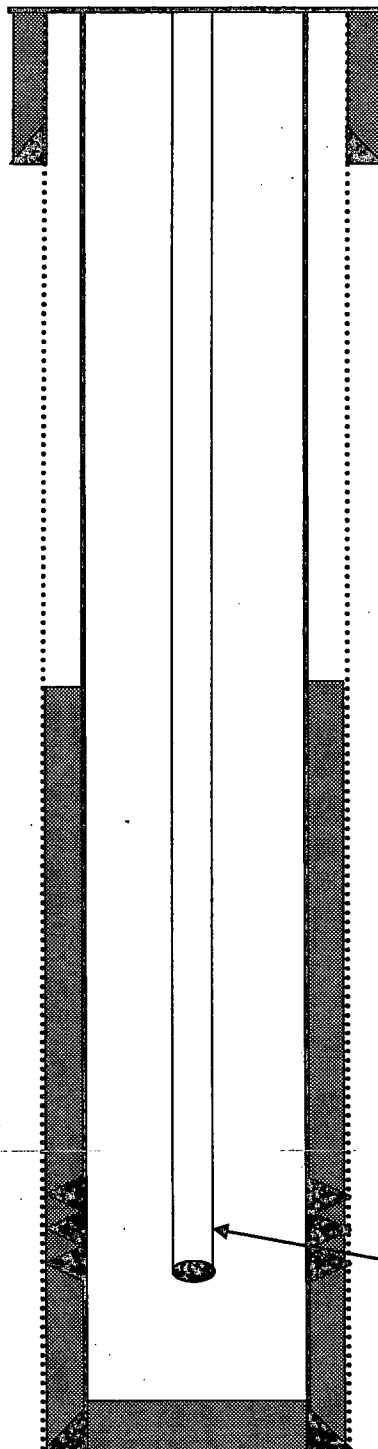
Pictured Cliffs Perforations:  
3055' - 3082'

1.5" tubing at 3076'

7.875" hole

4.5", 10.5#, J-55 Casing set @ 3183'  
Cement with 448 sxs

TD 3183'  
PBTD 3139'



# Apache #31

## Proposed P&A

South Blanco/Pictured Cliffs

1810' FSL, 840' FEL, Section 23, T-24-N, R-4-W,

Rio Arriba County, NM / API #30-039-23029

Today's Date: 3/7/13

Spud: 7/9/82

Completed: 12/9/82

Elevation: 7027' GL  
7040' KB

12.25" hole

Nacimiento @ 1350' \*est

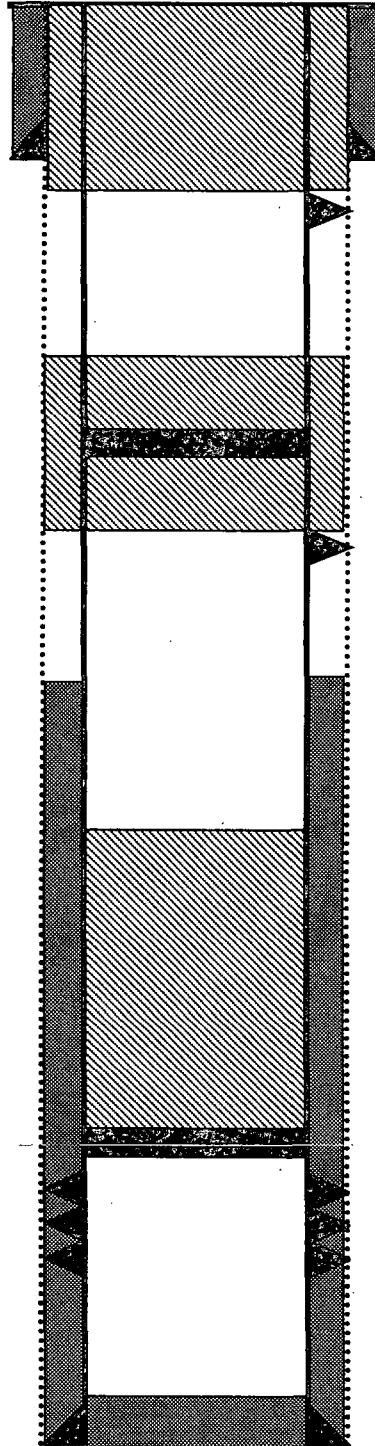
Ojo Alamo @ 2662'

Kirtland @ 2729' \*est

Fruitland @ 2879'

Pictured Cliffs @ 3052'

7.875" hole



8.625" 24#, Casing set @ 137'  
Cement with 100 sxs (Circulated to Surface)

Plug #3: 187' - 0'  
Perforate @ 187' Class B cement, 65 sxs

Set CR @ 1350' Plug #2: 1400' - 1300'  
Class B cement, 51 sxs 39  
sxs outside, 12 sxs inside

Perforate @ 1400'

TOC @ 2070' (CBL)

Plug #1: 3005' - 2612'  
Class B cement, 34 sxs

Set CR @ 3005'

Pictured Cliffs Perforations:  
3055' - 3082'

4.5", 10.5#, J-55 Casing set @ 3183'  
Cement with 448 sxs

TD 3183'  
PBTD 3139'

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: 31 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) Bring the top of the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug to 2500'.
  - b) Place the Nacimiento plug from 1271' - 1171' inside and outside the 4 ½" casing.

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.