

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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. JIC102
2. Name of Operator ENER VEST OPERATING LLC		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
Contact: JANET M BIENSKI E-Mail: jbienski@enervest.net		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 1001 FANNIN STREET SUITE 800 HOUSTON, TX 77002-6708	3b. Phone No. (include area code) Ph: 713-495-1571 Fx: 713-982-1501	8. Well Name and No. JICARILLA APACHE 102 3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T26N R4W NESW 1450FSL 1450FWL		9. API Well No. 30-039-06561-00-S1
		10. Field and Pool, or Exploratory TAPACITO
		11. County or Parish, and State RIO ARRIBA COUNTY, NM

12. CHECK 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 thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices 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.)

EnerVest Operating, LLC respectfully requests to P&A this well per the attached procedure.

Also, attached are the Current and Proposed WBDs.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD SEP 14 '10

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Electronic Submission #92572 verified by the BLM Well Information System For ENER VEST OPERATING LLC, sent to the Rio Puerco Committed to AFMSS for processing by STEVE MASON on 09/13/2010 (10SXM0275SE)	
Name (Printed/Typed) JANET M BIENSKI	Title REGULATORY ASSISTANT
Signature (Electronic Submission)	Date 09/09/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>09/13/2010</u>
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 <u>Rio Puerco</u>

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCD

PLUG AND ABANDONMENT PROCEDURE

September 1, 2010

Jicarilla Apache 102 #3

Tapacito Pictured Cliffs
1450' FSL and 1450' FWL, Section 9, T26N, R4W
Rio Arriba County, New Mexico / API 30-039-06561
Lat: _____ / Lat: _____

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 X, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 2.375", Length 3839'.
Packer: Yes _____, No X, Unknown _____, Type _____.
If this 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 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 3755' - ³¹⁹⁸3345')**: PU and TIH with 4.5" cement retainer, set at 3755'. Pressure test tubing to 1000 PSI. Pressure test casing to 800 PSI. If casing does not test, then spot or tag subsequent plug as appropriate. Mix and pump ~~58~~ sxs Class B cement above CR to isolate the Pictured Cliffs interval and cover through the Ojo Alamo top. TOH with tubing.
5. **Plug #2 (Nacimiento top, ^{2008 1908}2225' - ²⁰⁰⁸2425')**: Perforate 3 HSC holes at ²⁰⁰⁸2225'. TIH and set a CR at ²⁰⁰⁸2476'. Establish a rate into the squeeze holes. Mix 47 sxs Class B cement, squeeze 30 sxs outside the casing and leave 17 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
6. **Plug #3 (8.625" Surface casing shoe, 455' to Surface)**: Perforate 3 squeeze holes at 455'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 140 sxs Class B cement and pump down the 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
7. 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.

Jicarilla Apache 102 #3

Current

Tapacito Pictured Cliffs

1450' FSL, 1450' FWL, Section 9, T-26-N, R-4-W,

Rio Arriba County, NM / API #30-039-06561

Lat _____ / Long _____

Today's Date: 9/01/10

Spud: 6/24/56

Completed: 8/2/56

Elevation: 7144 GL
7154' KB

12.25" hole

8.625" 24#, K-55 Casing set @ 405'
Cement with 235 sxs (Circulated to Surface)

Nacimiento @ 2175' *est

2.375" tubing at 3839'
(4.7#, J-55)

TOC @ 2377' (Calc, 75%)

Ojo Alamo @ 3395' *est

Kirtland @ 3545' *est

Fruitland @ 3615' *est

Pictured Cliffs @ 3805'

Pictured Cliffs Perforations:
3805' - 3835'

7.875" hole

5.5", 14#, J-55 Casing set @ 3910'
Cement with 300 sxs (354 cf)

TD 3911'
PBD 3890'

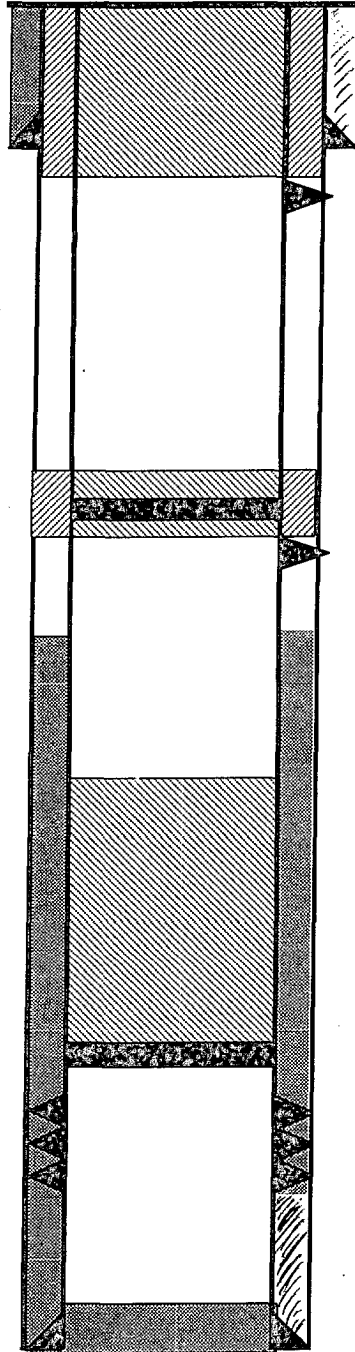
Jicarilla Apache 102 #3

Proposed P&A Tapacito Pictured Cliffs

1450' FSL, 1450' FWL, Section 9, T-26-N, R-4-W,
Rio Arriba County, NM / API #30-039-06561
Lat _____ / Long _____

Today's Date: 8/31/10
Spud: 6/24/56
Completed: 8/2/56
Elevation: 7144 GL
7154' KB

12.25" hole



Plug #3: 455' - 0'
Class B cement, 140 sxs

8.625" 24#, K-55 Casing set @ 405'
Cement with 235 sxs (Circulated to Surface)

Perforate @ 455'

$$\begin{aligned} 455 / 7.299(1.18) &= 53 \text{ sxs} \\ 50 / 5.779(1.18) &= 15 \text{ sxs} \\ 405 / 5.192(1.18) &= 66 \text{ sxs} \\ \hline &134 \text{ sxs} \end{aligned}$$

Nacimiento @ 2175' *est
1950

Cement Retainer @ 2175'

Perforate @ 2225'

2008 1908
Plug #2: 2225' - 2425'
Class B cement, 47 sxs:
17 inside and 30 outside

TOC @ 2377' (Calc, 75%)

$$\begin{aligned} 150 / 7.299(1.18) &= 17 \text{ sxs} \\ 200 / 5.779(1.18) &= 29 \text{ sxs} \\ \hline &46 \text{ sxs} \end{aligned}$$

Ojo Alamo @ 3195' *est
3246

Kirtland @ 3545' *est
3461

Fruitland @ 3615' *est
6

Pictured Cliffs @ 3805'
4

3198
Plug #1: 3755' - 3345'
Class B cement, 58 sxs

$$3755 - 3198 + 50 / 7.299(1.18) = 70 \text{ sxs}$$

Set CR @ 3755'

Pictured Cliffs Perforations:
3805' - 3835'

5.5", 14#, J-55 Casing set @ 3910'
Cement with 300 sxs (354 cf)

7.875" hole

TD 3911'
PBDT 3890'

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 3 Jicarilla Apache 102

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) 599-8907.
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 3198.
 - b) Place the Nacimiento plug from 2008' – 1908' inside and outside the 5 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.