

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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: BRIDGET HELFRICH E-Mail: bhefrich@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: 713-495-6537 Fx: 713-615-1429	8. Well Name and No. JICARILLA APACHE 102 30A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T26N R4W NWNW 970FNL 550FWL 36.50552 N Lat, 107.24589 W Lon		9. API Well No. 30-039-23232-00-S1
		10. Field and Pool, or Exploratory BLANCO MESAVERDE
		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 recompleat 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 recompleat 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, L.L.C. 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 AUG 9 '10

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Electronic Submission #90797 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 08/05/2010 (10SXM0256SE)	
Name (Printed/Typed) BRIDGET HELFRICH	Title REGULATORY TECH.
Signature (Electronic Submission)	Date 08/03/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>08/05/2010</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

July 23, 2010

Jicarilla 102 #30A

Blanco Mesaverde

970' FNL, 550' FWL, Section 10, T26N, R4W, Rio Arriba County, New Mexico

API 30-039-23232 / Long _____ / _____

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 5914'.
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. PU tubing workstring and round trip 4.5" gauge ring to 5256' or as deep as possible.
5. **Plug #1 (Mesaverde perforations and top, 5256' – 5156')**: RIH and set 4.5" DHS cement retainer at 5256'. Spot 12 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Mesaverde interval. PUH.
6. **Plug #2 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, ³⁶⁷⁸3680' – ³⁰⁹²3170')**: Mix ~~43~~ sxs Class B cement and spot a balanced plug to cover through the Ojo Alamo top. TOH with tubing.
7. **Plug #3 (Nacimiento top, ¹⁸⁰⁷2050' - ¹⁹⁰⁷1950')**: Perforate 3 HSC holes at ¹⁹⁰⁷2050'. TIH and set a CR at ~~2000~~'. Establish a rate into the squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside the casing and leave 12 sxs inside casing to cover the Nacimiento top. PUH.
8. **Plug #4 (8.625" Surface casing shoe, 384' to Surface)**: Perforate 3 squeeze holes at 384'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 125 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
9. 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 102 #30A

Current

Blanco Mesaverde

970' FNL, 550' FWL, Section 10, T-26-N, R-4-W, Rio Arriba County, NM

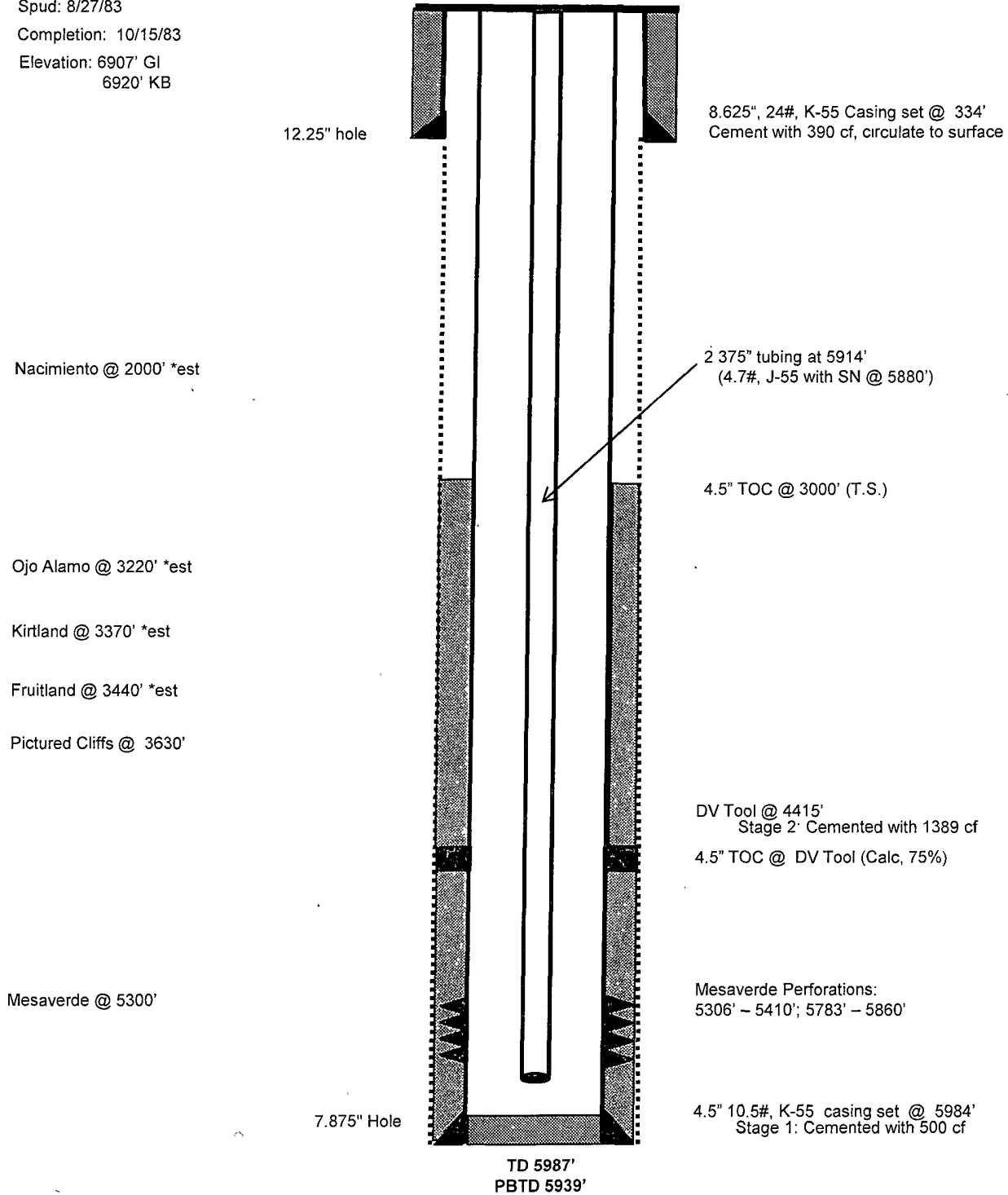
Today's Date: 7/21/10

Spud: 8/27/83

Completion: 10/15/83

Elevation: 6907' GI
6920' KB

Lat: _____ N / Lat: _____ W, API #30-039-23232



Jicarilla 102 #30A

Proposed P&A

Blanco Mesaverde

970' FNL, 550' FWL, Section 10, T-26-N, R-4-W, Rio Arriba County, NM

Lat: _____ N / Lat: _____ W, API #30-039-23232

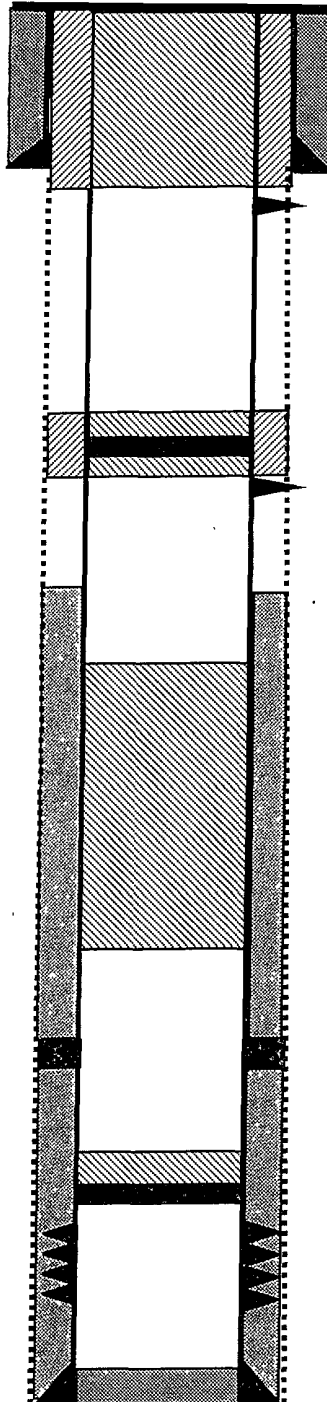
Today's Date: 7/21/10

Spud: 8/27/83

Completion: 10/15/83

Elevation: 6907' GI
6920' KB

12.25" hole



7.875" Hole

TD 5987'
PBTD 5939'

$$\begin{aligned} 384 / 11.167(1.18) &= 29 \text{ sxs} \\ 50 / 4.399(1.18) &= 10 \text{ sxs} \\ 334 / 4.046(1.18) &= 70 \text{ sxs} \\ \hline &109 \text{ sxs} \end{aligned}$$

8.625", 24#, K-55 Casing set @ 334'.
Cement with 390 cf, circulate to surface

Perforate @ 384'

Plug #4: 384' - 0'
Class B cement, 125 sxs

Nacimiento @ 2000' *est
1857

Set CR @ 2000'

Perforate @ 2050'

$$\begin{aligned} 1907 \quad 1807 \\ \text{Plug \#3: } 2050' - 1950' \\ \text{Class B cement, 51 sxs;} \\ \text{39 outside and} \\ \text{12 inside} \\ 200 / 4.399(1.18) &= 39 \text{ sxs} \end{aligned}$$

4 5" TOC @ 3000' (T.S.)

$$\begin{aligned} 78 \quad 3092' \\ \text{Plug \#2: } 3680' - 3470' \\ \text{Class B cement, 48 sxs} \end{aligned}$$

Ojo Alamo @ 3220' *est
3142

Kirtland @ 3370' *est
3210

Fruitland @ 3440' *est
8

Pictured Cliffs @ 3630'
28

$$3678 - 3092 + 50 / 11.167(1.18) = 48 \text{ sxs}$$

DV Tool @ 4415'
Stage 2: Cemented with 1389 cf

4.5" TOC @ DV Tool (Calc, 75%)

Mesaverde @ 5300'
6

Set CR @ 5256'

Plug #1: 5256' - 5156'
Class B cement, 12 sxs

Mesaverde Perforations:
5306' - 5410'; 5783' - 5860'

$$12(11.167)(1.18) = 158'$$

4.5" 10.5#, K-55 casing set @ 5984'
Stage 1. Cemented with 500 cf

**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: 30A Jicarilla 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) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 3678' – 3092'.
 - b) Place the Nacimiento plug from 1907' – 1807'.

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.