

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. JIC146
2. Name of Operator ENER VEST OPERATING LLC		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
Contact: BRIDGET HELFRICH E-Mail: bhelpfrich@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 CONTRACT 146 21E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T25N R5W SENW		9. API Well No. 30-039-22174-00-S1
		10. Field and Pool, or Exploratory BASIN
		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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input 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.)

## Proposed procedure:

Perf and frac stimulate the Mesa Verde in single stage.  
DHC application being filed with NMOCD.

1. MI & prep loc.
2. ND on B sec of tree. RU BOPs. Kill well w/ FSW.
3. Pull 2-3/8" 4.7# J55 EUE tbg OOH & LD.
4. PU 2-7/8" 6.5# J-55 tbg w/ bit & scraper & clean csg @ 5400'. POOH.
5. RIH w/ pkr & 10K plug. Set plug @ 5400'. Set pkr @ 4900' below csg leak.
6. Test csg & tbg to 4280' for 30 mins. Dump 50' sand on plug.
7. NU frac stack (4-1/16" 5K) on lwr mstr vlv & test.

RCVD SEP 24 '10  
OIL CONS. DIV.  
DIST. 3

DHC 3475AZ

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #93131 verified by the BLM Well Information System For ENER VEST OPERATING LLC, sent to the Rio Puerco Committed to AFMS for processing by STEVE MASON on 09/22/2010 (10SXM0279SE)	
Name (Printed/Typed) BRIDGET HELFRICH	Title REGULATORY TECH.
Signature (Electronic Submission)	Date 09/21/2010

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON	Title PETROLEUM ENGINEER	Date 09/22/2010
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 Rio Puerco

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

## Additional data for EC transaction #93131 that would not fit on the form

### 32. Additional remarks, continued

8. Prep frac tanks w/ wtr for stimulation job.
9. Perf the Mesa Verde sand as follows w/ 2" Hollow Steel Carrier gun, 120 degree phasing & 2 SPF:
  - a) Entrance hole diameter = 0.34"; Penetration = 14"; Charge = 6.5 gram.
  - b) CBL depths correlate w/ OH log depths. CBL dated 6-7-10.
  - c) Stage 1 (all perf depths are OH log depths) Dated: 11-18-79
  - d) 5104' - 5276'
  - e) Total holes = 32
10. MIRU frac co & frac dwn 2-7/8" 6.5# J-55 tbg per service co recommendation.
  - a) Utilize 3% KCL for the frac fluid
  - b) 150,000 # of 20/40 sand
11. RDMO frac equip. Flow well if possible at no more than 30 BPH.
12. MIRU WO rig & kill well w/ KCL wtr if necessary.
13. Pull 2-7/8" 6.5# J-55 tbg & pkr. RIH & retrieve plug. POOH & LD 2-7/8" 6.5# J-55 tbg.
14. PU 2-3/8" 4.7# J55 EUE tbg. Wash out & clean out to TD if necessary.
15. Set tbg @ 50' from btm perf of Dakota. NU tree.
16. Swab well in & begin flowback @ +/- 30 BPH, adjust rate to keep from dying.
17. RD WO rig and turn well to production.