

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: 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 CONTRACT 146 19
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T25N R5W NENE 990FNL 1070FEL 36.43325 N Lat, 107.35888 W Lon		9. API Well No. 30-039-20211-00-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 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, 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 AUG 24 '10

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #91270 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 08/13/2010 (10SXM0260SE)	
Name (Printed/Typed) JANET M BIENSKI	Title REGULATORY ASSISTANT
Signature (Electronic Submission)	Date 08/12/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON	Title PETROLEUM ENGINEER	Date 08/13/2010
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

PLUG AND ABANDONMENT PROCEDURE

July 7, 2010

Jicarilla 146 #19

Basin Dakota

990' FNL, 1070' FEL, Section 4, T25N, R5W, Rio Arriba County, New Mexico

API 30-039-20211 / 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 7278'.
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. Round trip 4.5" gauge ring to 7059' or as deep as possible.
5. **Plug #1 (Dakota perforations and top, 7059' – 6959')**: RIH and set 4.5" DHS cement retainer at 7059'. Pressure test tubing to 1000 PSI. Pressure test casing to 800 PSI. If casing does not pressure test then spot or tag subsequent plugs as appropriate. Spot 12 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Dakota interval. PUH.
6. **Plug #2 (Gallup top, ^{6192 6092}5777' – 5677')**: Mix 12 sxs Class B cement and spot a balanced plug inside casing to cover the Gallup top. PUH.
7. **Plug #3 (Mesaverde top, 4608' - 4508')**: Mix 12 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
→ **Chaco plug ^{3824' - 3724'}**
8. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2909' – 2197')**: Mix 58 sxs Class B cement and spot a balanced plug to cover through the Ojo Alamo top. PUH.
9. **Plug #5 (Nacimiento top, ^{1052 952}1397' – 1297')**: Mix 12 sxs Class B cement and spot a balanced plug to cover the Nacimiento top. TOH and LD tubing.

10. **Plug #6 (8.625" Surface casing shoe, 498' to Surface):** Perforate 3 squeeze holes at 498'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 155 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
11. 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 146 #19

Current

Basin Dakota

990' FNL, 1070' FEL, Section 4, T-25-N, R-5-W
Rio Arriba County, NM, API #30-039-20211

Today's Date: 7/7/10

Spud: 8/28/69

Completed: 10/2/69

Elevation: 6618' GL
6632' KB

12.25" hole

8.625" 24#, K-55 Casing set @ 448'
Cement with 300 sxs, circulated

Perf 3 squeeze holes at 800' with 133 cf
cement. Lost circulation. Estimate TOC @
770' (07)

TOC @ 860' ('07 CBL)

Nacimiento @ 1347' *est

Ojo Alamo @ 2247' *est

Kirtland @ 2437' *est

Fruitland @ 2507' *est

Pictured Cliffs @ 2859'

2.375" tubing set at @ 7278'
(4.7# J-55, SN @ 7277')

DV Tool at 3077'
Cement with 700 sxs (826 cf)
TOC @ DV Tool (Calc, 75%)

Mesaverde @ 4558'

DV Tool at 5391'
Cement with 600 sxs (708 cf)
TOC @ DV Tool (Calc, 75%)

Gallup @ 5727'

Dakota @ 7240'

Dakota Perforations:
7109' - 7126', 7246' - 7338'

4.5" 10.5#, K-55 Casing set @ 7493'
Cement with 600 sxs (708 cf)

7.875" hole

TD 7494'

BBTD 7450'

Jicarilla 146 #19

Proposed P&A

Basin Dakota

990' FNL, 1070' FEL, Section 4, T-25-N, R-5-W
Rio Arriba County, NM, API #30-039-20211

Today's Date: 7/7/10
Spud: 8/28/69
Completed: 10/2/69
Elevation: 6618' GL
6632' KB

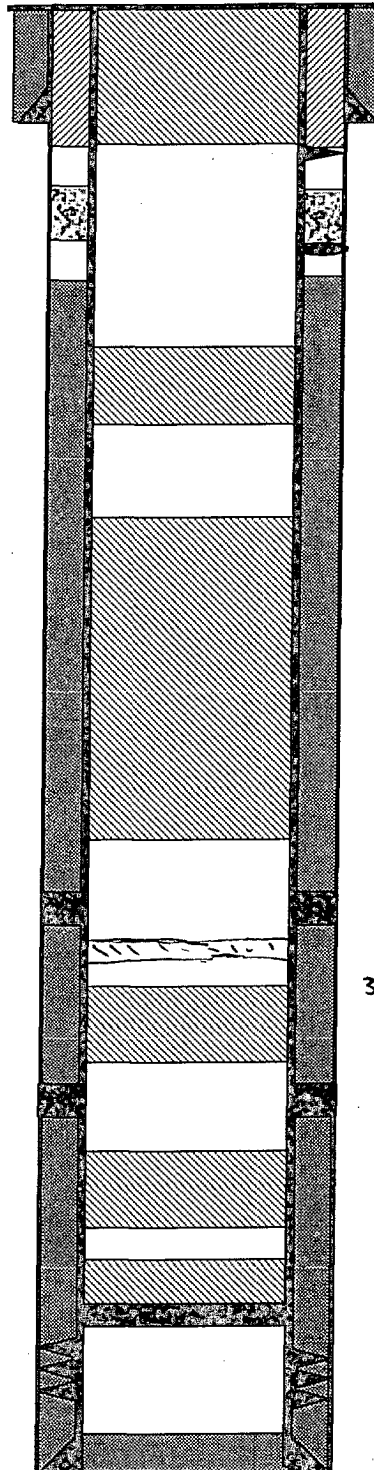
$$498 / 11.167 (1.14) = 38 \text{ sxs}$$

$$50 / 4.399 (1.18) = 10 \text{ sxs}$$

$$444 / 4.046 (1.18) = 94 \text{ sxs}$$

$$142 \text{ sxs}$$

12.25" hole



8.625" 24#, K-55 Casing set @ 448'
Cement with 300 sxs, circulated

Perforate @ 498'

Plug #6: 498' - 0'
Class B cement, 155 sxs

Perf 3 squeeze holes at 800' with 133 cf
cement. Lost circulation. Estimate TOC @
770' (07)

TOC @ 860' ('07 CBL)

Nacimiento @ 1247' *est
1002

Ojo Alamo @ 2247' *est
2312

Kirtland @ 2437' *est
2500

Fruitland @ 2507' *est
2630

Pictured Cliffs @ 2859'
60

Chaco 3774'

Mesaverde @ 4558'
4

Gallup @ 5727'
6142

Dakota @ 7240'
7104

1052 952'
Plug #5: 1297' - 1297'
Class B cement, 12 sxs

Plug #4: 2909' - 2197'
Class B cement, 58 sxs

$$2909 - 2197 / 11.167 (1.14) = 54 \text{ sxs}$$

DV Tool at 3077'
Cement with 700 sxs (826 cf)
TOC @ DV Tool (Calc, 75%)

3824' - 3724'

Plug #3: 4608' - 4508'
Class B cement, 12 sxs

DV Tool at 5391'
Cement with 600 sxs (708 cf)
TOC @ DV Tool (Calc, 75%)

6192 6092

Plug #2: 5777' - 5677'
Class B cement, 12 sxs

Set CR @ 7059' Plug #1: 7059' - 6959'
Class B cement, 12 sxs

Dakota Perforations:
7109' - 7126', 7246' - 7338'

$$150 / 11.167 (1.14) = 12 \text{ sxs}$$

4.5" 10.5#, K-55 Casing set @ 7493'
Cement with 600 sxs (708 cf)

TD 7494'
BPTD 7450'

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: 19 Jicarilla 146

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 Gallup plug from 6192' – 6092'.
 - b) Place a cement plug from 3824' – 3724' to cover the Chacra top.
 - c) Place the Nacimiento plug from 1052' – 952'.

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.