

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. JIC155
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 155 27
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 32 T26N R5W NWSE 1685FSL 1570FEL 36.440627 N Lat, 107.379017 W Lon		9. API Well No. 30-039-22568-00-C1
		10. Field and Pool, or Exploratory OTERO
		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.

* Move top of Nacimiento Plug to 828'
(Plug # 4: 956' to 828')

**Notify NMOC 24 hrs
prior to beginning
operations**



14. I hereby certify that the foregoing is true and correct. Electronic Submission #11630 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 06/30/2011 (11SXM0323SE)	
Name (Printed/Typed) JANET M. BIENSKI	Title REGULATORY ASSISTANT
Signature (Electronic Submission)	Date 06/27/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>06/30/2011</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 ****

NMOC

PLUG AND ABANDONMENT PROCEDURE

June 13, 2011

Jicarilla Apache Tribal 155 - 27

Gonzales Mesaverde / Otero Chacra

1685' FSL, 1570' FEL, Section 32, T26N, R5W, Rio Arriba County, New Mexico

API 30-039-22568 / 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 2-1/16", Length 5182' KB.
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: there is a Weatherford Internal steel casing patch from 1131' – 1071' with a drift ID 4.587".

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 if a CBL is required.

4. **Plug #1 (Mesaverde perforations and top, 4974' – 4400')**: RIH and set 5.5" wireline cement retainer at 4974'. Pressure test tubing to 1000 PSI. Mix 71 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Mesaverde perforations and top. TOH.
5. **Plug #2 (Chacra perforations and top, 3625' – 3525')**: RIH and set 5.5" wireline cement retainer at 3625'. Pressure test casing to 800 PSI. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 17 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Dakota interval. PUH.
6. **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2830' – 2445')**: Spot ²¹²⁵ 84 sxs Class B cement inside casing to cover through the Ojo Alamo top. PUH.
7. **Plug #4 (Nacimiento top, ^{950 856} 902' – 802')**: Spot 17 sxs Class B cement inside casing to cover through the Nacimiento top. PUH.
* Move top of Plug #4 to 828' (956' – 828')

8. **Plug #5 (8.625" Surface casing shoe, 345' to Surface):** Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 65 sxs cement and spot a balanced plug from 345' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 345' and the annulus from the squeeze holes to surface. 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 155 - 27

Current

Gonzales Mesaverde/Otero Chacra

1685' FSL, 1570' FEL, Section 32, T-26-N, R-5-W,

Rio Arriba County, NM / API #30-039-22568

Today's Date: 6/13/11

Spud: 1/2/81

Completed: 3/23/81

Elevation: 6513' GR

12.25" hole

Nacimiento @ 852' * est.

Ojo Alamo @ 2195'

Kirtland @ 2380'

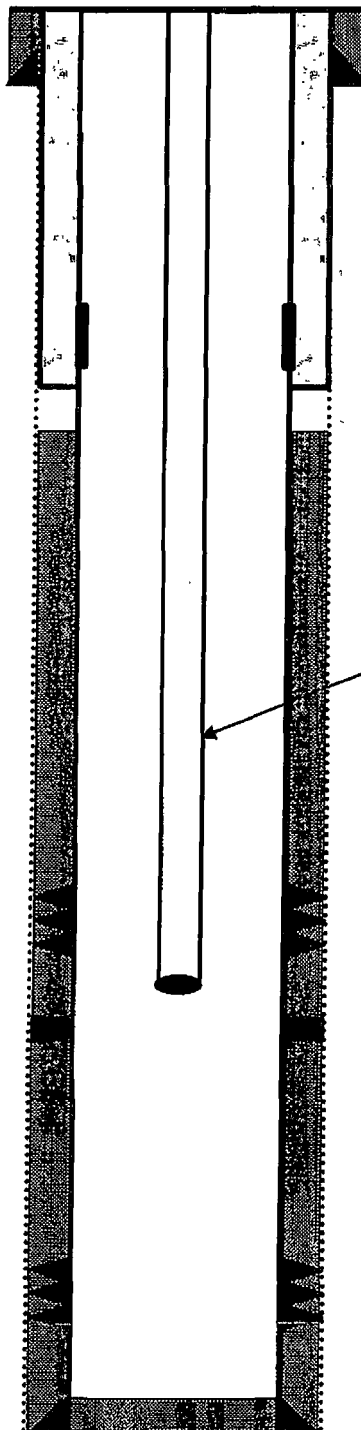
Fruitland @ 2640'

Pictured Cliffs @ 2780'

Chacra @ 3674'

Mesaverde @ 4450'

7.875" hole



8.625" 24#, J-55 Casing set @ 295'
Cement with 315 sxs (Circulated to Surface)

Isolate casing leak 1121' to 617',
squeeze with total 255 sxs
cement; would not test. Run
casing patch Weatherford Internal
Steel Casing Patch from 1131' to
1071'. PT casing to 500 PSI.
(2004)
Note: drift ID for patch 4.587"

TOC @ 1710' (CBL '04)

2-1/16" tubing at 5182' KB
(3.25#, J-55 with N nipple at 5145')

Otero Perforations:
3675' - 3791'

DV Tool @ 3901'
2nd Stage. Cmt with 660 sxs (1042 cf)

Mesaverde Perforations:
5024' - 5167'

5.5" 14#, K-55 Casing set @ 5300'
Stage 1: Cmt with 425 sxs (501.5 cf)

TD 5300'
PBTD 5249'

Jicarilla 155 - 27

Proposed P&A

Gonzales Mesaverde/Otero Chacra

1685' FSL, 1570' FEL, Section 32, T-26-N, R-5-W,

Rio Arriba County, NM / API #30-039-22568

Today's Date: 6/13/11

Spud: 1/2/81

Completed: 3/23/81

Elevation: 6513' GR

12.25" hole

Nacimiento @ 852' * est.
906

Top @ 878'

Ojo Alamo @ 2195'
2175

Kirtland @ 2380'
77

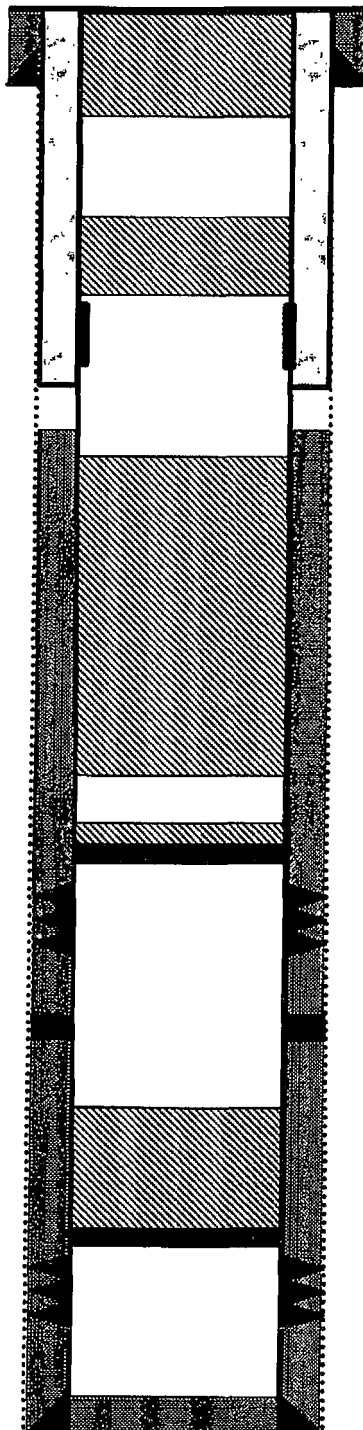
Fruitland @ 2640'
2510

Pictured Cliffs @ 2780'

Chacra @ 3674'
0

Mesaverde @ 4450'
2

7.875" hole



TD 5300'
PBTD 5249'

Plug #5: 345' - 0'

Class B cement, 65 sxs

8.625" 24#, J-55 Casing set @ 295'
Cement with 315 sxs (Circulated to Surface)

$$345 / 7.299 (1.14) = 40 \text{ sxs}$$

Isolate casing leak 1121' to 617',
squeeze with total 255 sxs
cement; would not test. Run
casing patch Weatherford Internal
Steel Casing Patch from 1131' to
1071'. PT casing to 500 PSI.
(2004)

Note: drift ID for patch 4.587"

$$828' / 756 - 856$$

Plug #4: 902' - 802'

Class B cement, 17 sxs

TOC @ 1710' (CBL '04)

Plug #3: 2830' - 2145'

Class B cement, 84 sxs

$$2830 - 2125 + 50 / 7.299 (1.14) = 88 \text{ sxs}$$

Set CR @ 3625'

Plug #2: 3625' - 3525'

Class B cement, 17 sxs

Otero Perforations: 17 (7.299) (1.14) = 146'

3675' - 3791'

DV Tool @ 3901'

2nd Stage: Cmt with 660 sxs (1042 cf)

Plug #1: 4974' - 4400'

Class B cement, 71 sxs

Set CR @ 4974'

$$4974 - 4400 + 50 / 7.299 (1.14) = 72 \text{ sxs}$$

Mesaverde Perforations:
5024' - 5167'

5.5" 14#, K-55 Casing set @ 5300'
Stage 1: Cmt with 425 sxs (501.5 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: 27 Jicarilla Apache Tribal 155

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 2830' – 2125'.

b) Place the Nacimiento plug from 956' – 856'.

* 956' - 828' (more top of Plug #4 up to 828')

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.