

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 16 2009

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS of Land Management
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. Jicarilla Contract 109
6. If Indian, Allottee or Tribe Name Jicarilla Apache

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator EnerVest Operating, L.L.C.		8. Well Name and No. Jicarilla B #3M
3a. Address 1001 Fannin, Suite 800 Houston, TX 77002	3b. Phone No. (include area code) 713-495-6537	9. API Well No. 30-039-29638
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 - Twp 26N - Rge 5W 1900' FSL and 2300' FEL (Unit J)		10. Field and Pool or Exploratory Area Blanco Mesaverde/Basin Dakota
		11. Country or Parish, State Rio Arriba County, NM

12. CHECK THE 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please see the attached (2) pages, containing our proposed Plug and Abandonment Procedure.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD JAN 5 '10
OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Bridget Helfrich		Title Regulatory Tech.
Signature <i>Bridget Helfrich</i>		Date 12/14/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date JAN 05 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		

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.

NMOCD

PLUG AND ABANDONMENT PROCEDURE

December 10, 2009

Jicarilla B #3M

Basin Dakota / Blanco Mesaverde

1900' FSL, 2300' FEL, Section 15, T26N, R5W, Rio Arriba County, New Mexico

API 30-039-29638/ Lat: 36.485142 N Long: -107.344987 W

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. Install and test location rig anchors. Prepare a blow pit. Comply with all State, 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.
2. Rods: Yes ☐ , No ☒ , Unknown ☐ .
Tubing: Yes ☐ , No ☒ , Unknown ☐ , Size , Length
Packer: Yes ☐ , No ☒ , Unknown ☐ , Type
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

Tally and prepare 7510' of 2.375" tubing workstring. PU a 5.875" or 6" mill tooth bit (7" 26# casing ID- 6.151" drift) and 4 3-1/2' drill collars. TIH and drill out with water the existing Weatherford Composite Bridge Plug set at 3100' (also reported at 3243'); push down to the liner top at 3243'. TOH and PU a 3.875" bit and continue to drill out the composite plug; chase down to 7515' if possible. Circulate well clean. TOH and LD drill collars and bit. TIH with open ended tubing.

7300

3. **Plug #1 (Dakota top, 7510' - ~~7410'~~)**: Attempt to pressure test casing to 800 PSI. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 12 sxs Class B cement and spot a balanced plug inside the casing to cover the Dakota top. TOH with tubing.
4. **Plug #2 (Gallup top, 6388' - 6288')**: Perforate 3 HSC holes at 6388'. If casing tested, then establish injection rate into squeeze holes. TIH with cement retainer and set at 6338'. Pressure test tubing to 1000 PSI. Mix and pump 30 sxs cement, squeeze 18 sxs outside casing and leave 12 sxs inside to cover the Gallup top. TOH with tubing.
5. **Plug #3 (Mesaverde top, 4887' - 4787')**: Perforate 3 HSC holes at 4887'. If casing tested, then establish injection rate into squeeze holes. TIH with cement retainer and set at 4837'. Mix and pump 30 sxs cement, squeeze 18 sxs outside casing and leave 12 sxs inside to cover the Mesaverde top. TOH with tubing.
6. **Plug #4 (Chacra top, 4110' - 4010')**: Perforate 3 HSC holes at 4110'. If casing tested, then establish injection rate into squeeze holes. TIH with cement retainer and set at 4060'. Mix and pump 30 sxs cement, squeeze 18 sxs outside casing and leave 12 sxs inside to cover the Chacra top. TOH with tubing.

PLUG AND ABANDONMENT PROCEDURE

December 10, 2009

Jicarilla B #3M

Continued:

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7. **Plug #5 (7" casing shoe and 4.5" liner top, 3550' - 3193')**: Perforate 3 HSC holes at 3550'. If casing tested, then establish injection rate into squeeze holes. Mix and pump 84 sxs cement, squeeze 47 sxs outside casing and leave 37 sxs inside to cover the 7" casing shoe and 4.5" liner top. PUH.
8. **Plug #6 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3142' – 2466')**: Mix 133 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. PUH.
9. **Plug #4 (Nacimiento top, ¹²⁶⁴1496' – ¹¹⁶⁴1296')**: Mix 28 sxs Class B cement and spot a balanced plug inside casing to cover Nacimiento top. PUH.
10. **Plug #5 (9.625" casing shoe, 366' – 0')**: Connect the pump line to the bradenhead valve and attempt to pressure test the BH 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 70 sxs Class B cement and spot a balanced plug inside the casing from 366' 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 7" casing and BH annulus from 366' to surface. Shut well in 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.

**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: 3M Jicarilla B

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 Dakota plug to 7311'.
 - b) Place the Nacimiento plug from 1264' – 1164'.

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.