

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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APR 12 2011

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.

Proposals and Management  
Farmington Field Office

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. JIC109
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 B 2M
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 16 T26N R5W SWSE 1190FSL 2630FEL 36.285900 N Lat, 107.215250 W Lon		9. API Well No. 30-039-29914-00-X1
		10. Field and Pool, or Exploratory BASIN DAKOTA 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 the following changes to the original APD. (Attached please find Drig Prog Replacement pages 3 and 4, which reflect the changes listed below.)

- 1) 400' of 9-5/8" surf csg (orig btm was 250').
- 2) Surf csg test press of 600 psi.
- 3) Run 4-1/2" long string in lieu of 4-1/2" prod liner.

**BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS**

14. Thereby certify that the foregoing is true and correct.	
Electronic Submission #105996 verified by the BLM Well Information System For ENER VEST OPERATING LLC, sent to the Rio Puerco Committed to AFMSS for processing by TROY SALYERS on 04/12/2011 (11TS0029SE)	
Name (Printed/Typed) JANET M. BIENSKI	Title REGULATORY ASSISTANT
Signature (Electronic Submission)	Date 04/06/2011

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By TROY SALYERS	Title PETROLEUM ENGINEER	Date 04/12/2011
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.

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#### 4. CASING AND CEMENTING DESIGN:

##### Casing Program:

<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>
12¼"	400'	9 5/8"
8¾"	3467' +/- Lewis seat	7"
6¼"	7550'	4½"

Csg Size	Casing Type	Top (MD)	Bottom (MD)	Wt (lb./ft)	Grade	Thread	Condition
9-5/8"	Surface	0'	400'	36.0	J55/K55	STC	New
7"	Intermediate	0'	3467 +/-	23.0	N80	LTC	New
4½"	Prod. Csg.	0'	7550'	11.6	N80	LTC	New

Casing Data				Collapse (psi)	Burst (psi)	Min. Tensile (Lbs.)
OD	Wt/Ft	Grade	Thread			
9-5/8"	36.0 lbs.	J55	STC	2,020	3,520	394,000
7"	23.0 lbs.	N80	LTC	3,830	6,340	442,000
4½"	11.6 lbs.	N80	LTC	6,350	7,780	223,000

##### MINIMUM CASING DESIGN FACTORS:

COLLAPSE: 1.125  
 BURST: 1.00  
 TENSION: 1.80

Area Fracture Gradient Range: 0.7 - 0.8 psi/foot  
 Maximum anticipated reservoir pressure: 2,500 psi  
 Maximum anticipated mud weight: 9.0 ppg  
 Maximum surface treating pressure: 3,500 – 3,750 psi

### Float Equipment:

Surface Casing: Guide shoe on bottom and 3 centralizers on the bottom 3 joints.

Intermediate Casing: Float shoe on bottom joint and a float collar one joint up from float shoe. One centralizer 10 ft. above float shoe and nine centralizers spaced every joint above the float collar. Stage tool above the Kirtland formation. One centralizer below stage tool and one centralizer above stage tool.

Production Casing: 4 ½" cement nosed guide shoe and a float collar on top of bottom joint with centralizers over potential hydrocarbon bearing zones.

### Cementing Program:

#### 9-5/8" Surface casing: 400'

240 sx HES Prem cement with 2% CaCl<sub>2</sub> + 0.125 ppsx Poly-E-Flake. 100% excess to circulate cement to surface. WOC 12 hrs.

Slurry weight: 15.8 ppg  
Slurry yield: 1.17 ft<sup>3</sup>/sack

Volume basis:	42' of 9-5/8" shoe joint	18.3 cf
	250' of 12-1/4" x 9-5/8" annulus	125.3 cf
	<u>100% excess (annulus)</u>	<u>125.3 cf</u>
	Total	268.9 cf

Note:

1. Design top of cement is the surface.

#### 7" Intermediate Casing: 3467'

1<sup>st</sup> Stage: 140 sacks of Type III cement:  $3467' - 2598' (869')$

Slurry weight:	14.5 ppg	Annular Vol	= 130.7 cf + 65.4 cf (50% Access)
Slurry yield:	1.4 ft <sup>3</sup> /sack		= 196.1 cf

2<sup>nd</sup> Stage: (Stage tool at 2598' +/-): 309 sacks of Premium Lite FM

Slurry weight:	12.4 ppg	Volume	= 593.5 cf
Slurry yield:	1.92 ft <sup>3</sup> /sack		