

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

JAN 31

## 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 page 2.

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

EnerVest Operating, L.L.C.

## 3a. Address

1001 Fannin Street, Suite 800  
Houston, TX 77002

## 3b. Phone No. (include area code)

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

350' FNL & 665' FWL (UL D)  
Sec. 14 T26N R02W5. Lease Serial No.  
NMNM113640

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Bear Canyon Unit #69. API Well No.  
30-039-3055710. Field and Pool or Exploratory Area  
Gavilan Mancos11. County or Parish, State  
Rio Arriba, NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

## TYPE OF SUBMISSION

## TYPE OF ACTION

☐ Notice of Intent☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water Shut-Off☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☒ Subsequent Report☐ Casing Repair☐ New Construction☐ Recomplete☐ Other☐ Final Abandonment Notice☐ Change Plans☒ Plug and Abandon☐ Temporarily Abandon☐ Convert to Injection☐ Plug Back☐ 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 must 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 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.)

RCVD FEB 4 '14  
OIL CONS. DIV.  
DIST. 3

Please see attached plugging detail.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Bart Treviño

Title Regulatory Analyst

Signature

Date 01/30/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date

FEB 03 2014

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

FARMINGTON FIELD OFFICE  
BY: Sr

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.

(Instructions on page 2)

NMOCD

# **A-PLUS WELL SERVICE, INC.**

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 \*fax: 505-325-1211

EnerVest Operating, LLC  
**Bear Canyon Unit #6**

January 22, 2014  
Page 1 of 3

350' FNL and 665' FWL, Section 14, T-26-N, R-2-W

Rio Arriba County, NM

Lease Number: NMNM-113640

API #30-039-30557

**Plug and Abandonment Report**  
Notified BLM and NMOCD on 1/9/14

## **Plug and Abandonment Summary:**

- Plug #1** with CR at 6294' spot 61 sxs (71.98 cf) Class B cement inside casing from 6294' to 5958' to cover the Gallup interval and Mancos top.
- Plug #2** with 30 sxs (35.4 cf) Class B cement inside casing from 5557' to 5393' to cover the Mesaverde top.
- Plug #3** with 61 sxs (42.48 cf) Class B cement inside casing from 4095' to 3898' to cover the 9-5/8" casing shoe. Tag TOC at 3880'.
- Plug #4** with 68 sxs (80.24 cf) Class B cement inside casing from 3833' to 3460' to cover the Pictured Cliffs, Fruitland and Kirtland tops. Tag TOC at 3474'.
- Plug #5** with CR at 3368' spot 50 sxs (59 cf) Class B cement inside casing from 3418' to 3261' with 10 sxs below, 19 sxs in 7" x 9-5/8" annulus and 21 sxs on top to cover the Ojo Alamo top. Tag TOC at 3285'.
- Plug #6** with CR at 2206', mix and pump 111 sxs Class B cement (130.98 cf); squeeze 22 sxs outside 7" x 9-5/8" annulus and 54 sxs outside the 9-5/8" annulus; sting out of CR and leave 35 sxs inside casing to cover the Nacimiento top.
- Plug #7** Plug #7 mix and pump 254 sxs Class B cement (299.72 cf) down 7" casing from 360' to surface: 1) squeeze 49 sxs in 7" x 9-5/8" annulus then SI IM casing valve, 2) squeeze 109 sxs to surface in 13-7/8" bradenhead; started to circulate drilling mud in cement, 3) pump additional 30 sxs cement and circulate clean cement to surface; 3) leave 66 sxs inside 7" casing to surface.
- Plug #8** with 24 sxs Class B cement top off casings and install P&A marker.

## **Plugging Work Details:**

- 1/10/14 Drove to Jicarilla 35B Gas Com #1. RD rig and equipment. Rode rig and equipment to location. Spot in and RU. Check well pressures: tubing 0 PSI and casing 60 PSI. RU relief lines and blow well down. X-over for rod work. SDFD.
- 1/13/14 Check well pressures: tubing 15 PSI, casing 55 PSI, 9-5/8" 120 PSI and bradenhead 5 PSI. RU relief lines. Pressure test tubing to 775 PSI, OK. LD polish rod. TOH and LD 299 rods, 1 insert pump, 26 7/8" rods guided, 233 5/8" plain rods, 40 7/8" rods guided, 1 top hole down insert pump. RD rod tongs. ND wellhead. Pull tubing hanger. Use tubing tongs to release tubing anchor. Strip on 7-1/16" 5M x 10M. NU BOP and function test. Re-plumb IM and bradenhead valves. SI well. SDFD.
- 1/14/14 Check well pressures: tubing, casing and bradenhead 0 PSI, IM 50 PSI. RU relief lines and blow well down. TOH and LD 2-3/8" tubing, 4.7#, J-55 EUE 192 joints, 1-7" tubing anchor, 37 joints 1-4' perforated sub, 1-20' tail jnt. Note: No tally on tubing approved B. Julian, EnerVest. TIH with 7" A-Plus workstring to 5105'. Note: work mill through tight spots. SI well. SDFD.

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Page 2 of 3

## Plugging Work Details (continued):

- 1/15/14 Check well pressures: tubing, casing and bradenhead 0 PSI, IM 5 PSI. RU relief lines. Continue to TIH with tubing and 7" mill to 6314'. TOH and LD mill. TIH with 7" DHS CR and set at 6294'. Establish circulation. PU 7" DHS CR and set at 6294'. Sting out CR. Establish circulation with 235 bbls. Pump additional 19 bbls. Clean returns. Pressure test casing to 850 PSI, OK. Spot plug #1 with estimated TOC at 5958'. Establish circulation. Spot plug #2 with estimated TOC at 5393'. PUH to 1658'. SI well. SDFD.
- 1/16/14 Check well pressures: tubing, casing, bradenhead 0 PSI and IM slight blow. RU relief lines. TOH with tubing and LD stinger. Perforate 3 squeeze holes at 4045'. Attempt to establish injection rate locked up at 1000 PSI. Attempt to pump and break down perfs, locked up at 1000 PSI hold for 10 minutes. Note: B. Powell and B. Hope, NMOCD and S. Mason approved procedure change. TIH open-ended to 4095'. Establish circulation. Spot plug #3 with estimated TOC at 3898'. Perforate 3 squeeze holes at 3772'. Attempt to establish rate, unable. Attempt to pump and break down perfs. Pump up to 1000 PSI bled down to 300 PSI in 15 minutes. Note: NMOCD and BLM request to run CBL. SI well. SDFD.
- 1/17/14 Check well pressures: tubing, casing, bradenhead 0 PSI and IM slight blow. RU relief lines. RU A-Plus wireline. Ran CBL from 3880' to surface, ratty cement from 3880' to 3500' estimated TOC at 3500'. From 3500' to 3120' very slight stringers, 3120' to 22' free pipe and 22' to surface showing cement. Discuss CBL with C. Perrin, NMOCD and B. Julian, EnerVest. TIH to 3833'. Establish circulation. Spot plug #4 with estimated TOC at 3460'. WOC due to casing leak. SI well. Dig out wellhead. Check for valves. SDFD.
- 1/20/14 Open up well; no pressures. TIH and tag TOC at 3474'. Establish circulation. Pressure test casing to 800 PSI, OK. Perforate 3 squeeze holes at 3418'. Attempt to establish rate, pump 1 bbl and locked up at 1000 PSI. Attempt to pump and break down. Reverse pump hoses and pump down 9-5/8" IM. Pump 3/4 bbl and lock up at 800 PSI. Note: Discuss with B. Julian, EnerVest and B. Clark, A-Plus. Wireline PU 7" CR and set at 3368'. POH setting tool. Perforate 3 HSC squeeze holes at 2256'. TIH with 7" stinger and tag CR at 3368'. Establish circulation with 1/2 bbl. Started to circulate out of 9-5/8" IM valve. Sting into CR. Establish rate of 1 bpm at 1100 PSI. No circulation out 9-5/8" IM valve and 7" casing valve. Tight rate. Sting out and fill tubing with cement. Spot plug #5 with estimated TOC at 3261'. PUH to 2287'. SI well. SDFD.

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Page 3 of 3

## Plugging Work Details (continued):

- 1/21/14 Open up well; no pressures. Layout relief lines to pit. TIH and tag TOC at 3285'. TOH and LD stinger. Establish injection rate into perforations 3 bpm at 2500#. PU 7" DHS cement retainer and TIH; set at 2206'. Sting out of CR. Establish circulation out 7" casing with ½ bbl. Sting into CR and establish circulation out 9-5/8" IM casing with 2 bbls. SI 9-5/8" IM and establish injection rate out 9-5/8" annulus. Pump 1 bpm at 850#; tight. Fill tubing with cement to breakdown perforations.
- Plug #6 with CR at 2206', mix and pump 111 sxs Class B cement (130.98 cf); squeeze 22 sxs outside 7" x 9-5/8" annulus and 54 sxs outside the 9-5/8" annulus; sting out of CR and leave 35 sxs inside casing to cover the Nacimiento top.
- TOH with tubing. Load casing with 5 bbls. Perforate 3 squeeze holes at 360'. Establish circulation out 9-5/8" IM casing with 1.5 bbls then close valve. Establish injection rate out 9-5/8" annulus 1 bpm at 750#. RU pump to 7" valve and establish circulation out 9-5/8" IM valve with 1 bbl.
- Plug #7 mix and pump 254 sxs Class B cement (299.72 cf) down 7" casing from 360' to surface: 1) squeeze 49 sxs in 7" x 9-5/8" annulus then SI IM casing valve, 2) squeeze 109 sxs to surface in 13-7/8" bradenhead; started to circulate drilling mud in cement, 3) pump additional 30 sxs cement and circulate clean cement to surface; 3) leave 66 sxs inside 7" casing to surface. SI well. SDFD.
- 1/22/14 Open up well; no pressures. Write and perform Hot Work Permit. Cut off wellhead. Found cement at surface. Spot plug #8 top off casings and install P&A marker. RD and MOL.
- Ray Espinoza, BLM representative, was on location.