

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

SUNDRY NOTICES AND REPORTS ON WELLS JAN 10 2014

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. Jicarilla Contract 126 |
| 2. Name of Operator EnerVest Operating, L.L.C. | | 6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe |
| 3a. Address 1001 Fannin Street, Suite 800 Houston, TX 77002 | 3b. Phone No. (include area code) 713-659-3500 | 7. If Unit of CA/Agreement, Name and/or No. |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2000' FSL & 1900' FEL (UL J), Sec. 11 T24N R04W | | 8. Well Name and No. Apache #145 |
| | | 9. API Well No. 30-039-23889 |
| | | 10. Field and Pool or Exploratory Area Lindreth Gallup-Dakota, West |
| | | 11. 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 | | | |
|---|---|--|--|---|
| <input 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 checked="" 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 recomplete 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 recompletion 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 JAN 15 '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 Trevino | | Title Regulatory Analyst |
| Signature | | Date 01/08/2014 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|-------|--------------------------------|
| Approved by | Title | Date |
| | | JAN 13 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. | | FARMINGTON FIELD OFFICE BY: |

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)

NMOCDFY

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

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

EnerVest Operating

Apache #145

December 27, 2013

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2000' FSL and 1900' FEL, Section 11, T-24-N, R-4-W

Rio Arriba County, NM

Lease Number: Jicarilla Contract 126

API #30-039-23889

Plug and Abandonment Report

Notified NMOCD and BLM on 12/10/13

Plug and Abandonment Summary:

- Plug #1** with 24 sxs (28.32 cf) Class B cement inside casing from 6194' to 5877' to cover the Dakota and Gallup top. Tag TOC at 5950'.
- Plug #2** with CR at 5284' spot 20 sxs (23.6 cf) Class B cement inside casing from 5284' to 5020' to cover the Mancos top. Tag TOC at 5083'.
- Plug #3** with CR at 4564' spot 63 sxs (74.34 cf) Class B cement inside casing from 4614' to 4300' with 4 sxs under, 20 sxs above and 39 sxs into annulus to cover the Mesaverde top. Tag TOC at 4354'.
- Plug #4** with 24 sxs (28.32 cf) Class B cement with 2% CaCl inside casing from 3820' to 3503' to cover the Chacra top. Tag TOC at 3549'.
- Plug #5** with 57 sxs (67.26 cf) Class B cement inside casing from 2981' to 2229' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2278'.
- Plug #6** with CR at 1058' spot 67 sxs (79.06 cf) Class B cement inside casing from 1108' to 741' with 4 sxs under, 24 sxs above, 39 sxs into annulus to cover the Nacimiento top. Tag TOC at 729'.
- Plug #7** with 166 sxs (195.88 cf) Class B cement inside casing from 493' to surface to cover the surface casing shoe. Tag TOC at 10' in 8-5/8" and down 75' in 4.5" casing.
- Plug #8** with 57 sxs (67.26 cf) Class B cement found cement down 75' in casing and 70' in 8-5/8" annulus with poly pipe and install P&A marker.

Plugging Work Details:

- 12/12/13 Rode rig equipment to location. Spot in and RU. Open up well; no pressures. RU relief lines. ND wellhead. Re-plumb bradenhead valve. Put studs stripping head, hydraulic fittings back on BOP. NU BOP and function test. SI well. SDFD.
- 12/13/13 Open up well; no pressures. RU relief lines. PU and tally 2-3/8" tubing, 4.7#, J-55 EUE PU 198 jnts with 4.5" watermelon mill to 6201'. TOH with 24 stands (48 jnts) to 4659'. SI well. SDFD.
- 12/16/13 Start cold equipment. Check well pressures: tubing and casing 0 PSI and bradenhead 10 PSI. RU relief lines. Cold morning start for rig and pump. TOH and finish LD tubing and mill. TIH with 4.5" DHS CR and set at 6194'. Pressure test tubing to 1000 PSI, OK. Establish circulation. Attempt to pressure test casing to 500 PSI, leak. RU Basin wireline. Ran CBL from 6194' to surface, showing no cement from 5490' to 4000' DV tool. Cement from 4000' to TOC at 1450'. Ratty cement to surface. SI well. SDFD.
- 12/17/13 Frozen valves. Check well pressures: casing 0 PSI and bradenhead on vacuum. Cut new plugging sub. TIH to 6194'. Establish circulation. Frozen pump and valves, warm up. Spot plug #1 with estimated TOC at 5877'. Note: NMOCD and BLM approved procedure change. SI well. SDFD.

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Plugging Work Details (continued):

- 12/18/13 Check well pressures: casing 0 PSI and bradenhead on vacuum. TIH and tag TOC at 5950'. Establish circulation. Attempt to pressure test casing to 800 PSI, leak. Perforate 3 HSC holes at 5334'. TIH with 4.5" DHS CR and set at 5284'. Establish circulation. Attempt to establish rate. Note: B. Powell, NMOCD, S. Mason, BLM approved procedure change. Spot plug #2 with estimated TOC at 5020'. SI well. SDFD.
- 12/19/13 Check well pressures: casing 0 PSI and bradenhead on vacuum. TIH and tag TOC at 5083'. Pressure test casing to 800 PSI, leak. Perforate 3 HSC holes at 4614'. TIH with 4.5" DHS CR and set at 4564'. Establish circulation. Establish rate of 1 bpm at 850 PSI. Spot plug #3 with estimated TOC at 4300'. TOH and LD stinger. TIH with plugging sub to 2526'. SI well. SDFD.
- 12/20/13 Check well pressures: casing 0 PSI and bradenhead on vacuum. TIH and tag TOC at 4354'. Establish circulation. Attempt pressure test casing to 800 PSI, leak. Spot plug #4 with estimated TOC at 3503'. TIH and tag TOC at 3549'. Establish circulation. Attempt to pressure test casing to 800 PSI, leak. Spot plug #5 and estimated TOC at 2229'. TOH to 951'. SI well. SDFD.
- 12/23/13 Open up well; no pressures. TIH and tag TOC at 2278'. Establish circulation. Attempt pressure test to 800 PSI, leak. Perforate 3 HSC holes at 1108'. TIH with 4.5" DHS CR and set at 1058'. Establish circulation. Establish rate of 1.5 bpm at 700 PSI. Spot plug #6 with estimated TOC at 741'. SI well. SDFD.
- 12/26/13 Check well pressures: casing 0 PSI and bradenhead on vacuum. TIH and tag TOC at 729'. Note: BLM approved tag. Attempt to pressure test casing to 800 PSI, leak. Perforate 3 HSC holes at 443'. Establish circulation. TIH to 493'. Spot plug #7 with estimated TOC at surface. SI well. WOC. Dig out frozen ground cellar. ND BOP. Check well for LEL with gas monitor, no LEL. Fill out Hot Work Permit. Cut off wellhead. Found cement down 75' in casing and 70' in 8-5/8" annulus with poly pipe. Spot plug #8 and install P&A marker. SI well. SDFD.
- 12/27/13 Travel to location. RD and MOL.
- Leo Pacheco, BLM representative, was on location.