

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**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.*

5. Lease Serial No.  
JIC125

6. If Indian, Allottee or Tribe Name  
JICARILLA APACHE

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

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

8. Well Name and No.  
JICARILLA APACHE TRIBAL 125 8

9. API Well No.  
30-039-22353-00-S1

10. Field and Pool or Exploratory Area  
WEST LINDRITH

11. County or Parish, State  
RIO ARRIBA COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
ENERVEST OPERATING LLC  
Contact: SHELLY DOESCHER  
E-Mail: sdoescher@enervest.net

3a. Address  
1001 FANININ STREET SUITE 800  
HOUSTON, TX 77002  
3b. Phone No. (include area code)  
Ph: 505-320-5682

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 26 T25N R4W SWNE 1840FNL 1800FEL  
36.372978 N Lat, 107.219012 W Lon

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"/> Hydraulic Fracturing	<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 recomplate 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 recomplate 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.

This well has been plugged and abandoned.  
Please see attached procedure and wellbore diagram.

OIL CONS. DIV DIST. 3  
JAN 24 2018

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #398271 verified by the BLM Well Information System  
For ENERVEST OPERATING LLC, sent to the Rio Puerco  
Committed to AFMSS for processing by JACK SAVAGE on 01/17/2018 (17AE0041S)**

Name (Printed/Typed) ROY GREENE Title ENGINEER

Signature (Electronic Submission) Date 12/17/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By **ACCEPTED** Title JACK SAVAGE  
PETROLEUM ENGINEER Date 01/17/2018

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

NMOCD - File sundrys in a timely manner

8



EnerVest Operating, LLC  
 1001 Fannin St. Suite 800  
 Houston, TX 77002-6707

P.O. Box 1979, Farmington, NM 87499  
 (505) 325-2627

Name: Jicarilla Apache 125 #8  
 API:30-039-22353, 09/21/2017

## Well Plugging Report

### Cement Summary

**Plug #1 & #2 (combined)**, Dakota, Gallup and Mancos top; inside only 66 sxs of Class B (15.5 ppg, 77.8 cf.) from 4899 ft. to 5495 ft.; WOC over weekend Changes were made because the rig wasn't making hole. The changes were approved by AG with the BLM, Rod Valarde with the Jicarilla BLM and B. Powell with the NMOCD all approved the changes on 8-31-17 at 3:00 PM. Tagged @ 5009'.

**Plug #3**, Chacra top, inside 5.5" casing with 32 sxs Class B cement (15.6 ppg, 37.76 cf) from 4363' – to 4074'. Tagged @ 4164'.

**Plug 4**, Pictured Cliffs and Fruitland tops;

**Plug 4A**, Kirtland and Ojo Alamo top; 3 SQZ holes at 2912; inside / outside at 2862 ft.; 44 sxs of Class B (15.6 ppg, 51.9 cf.) from 2862 ft. to 2662 ft.; 15 in annulus, 6 below CR and 23 above; WOC over night; tagged with tubing at 2662 ft.

**Plug #5**, Nacimiento top; 3 SQZ holes at 1692; inside only 40 sxs of Class B (15.6 ppg, 47.2 cf.) from 1743 ft. to 1381 ft.; WOC over weekend

**Plug #6**, Surface 3 SQZ holes at 250; inside / outside 88 sxs of Class B (15.6 ppg, 103.8 cf.) from 0 ft. to 250 ft.; WOC over night;

DHM and Top Off, Surface; Install P&A Marker 37 sxs of Class B (15.6 ppg, 43.7 cf.)

### Work Detail

PUX	Activity
08/03/2017	
P	Road Rig and equip. to location.
P	Spot in Rig and equipment. RU daylight pulling unit, perform start Well/LOTO. Secure location SDFD.
P	Travel back Yard.
08/04/2017	
P	Travel to location.
P	HSM on JSA. Service and start equip.
P	Check Well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI. RU relief lines open to pit. ND WH, found 2 7/8" Tbg in Well. XO to back to 2 3/8" Tbg equip. Strip on BOP, RU work floor.
P	Tally TOO H w/ 2 7/8" Tbg EUE w/ 230 jnts Tbg became wet w/ drip and oil, when Tbg PSI up plunger begins to lift. J. Cross w/ Enervest OK'd SIW will swab Tbg dry on 08/07/2017. SIW. Secure location. SDFD.
P	Travel back to Yard.
08/07/2017	
U	Staffing Issues Shut Down For Day.
08/08/2017	
P	Travel to location.
P	HSM on JSA, Service and start equipment.

- P Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI. RU relief lines open to pit. PU 6' Perf sub, 1 jnt, RU swab equipment, Swab tbg back into csg. LD 1 jnt, 6' Perf sub 26 jnts last jnt plugged w/ trash in well was(253 jnts,SN \* Total Tbg tally )
- P PU 5.5" W.L. GR RIH to 2698' could not work past POOH LD GR. \*found Formation clay packed off in junk basket.
- P PU 5.5" A Plus string mill TIH w/ 90 jnts tag up at 2736' work down to 2746' attempt work past, RU pump to csg reverse circ. pump and est. circ. w/ 13 bbl. pump total 30 bbl. circ. clean returns could not work past. w/ tongs attempting work past, stand back 2 jnts LD 1 Jnt. Call for drilling equip.
- X Wait on drilling equipment.
- X Spot in drilling equipment. PU/RU all drilling equipment. Ready tag up and start drilling in a.m. SIW, secure loc. SDFD.
- P Travel back to yard.
- 08/09/2017
- P Travel to location.
- P HSM on JSA, Service and start equipment.
- P Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI, RU relief open to pit.PU 4 jnts with PS tag up at 2740' pump and est circ.
- X Start Drilling from 2740' to 2755' slow drilling decide take mill off attempt with bit only. RD drilling equipment LD 4 jnts.
- U TOO H with 88 jnts LD string mill. PU 4 3/4" workover bit (tri cone), B.S., TIH with 88 jnts PU 3 jnts. RU drilling equipment PU 1 jnt Tag up at 2755'. Pump and est. circ.
- X Start drilling from 2755' to 2770' broke thru. PU 6 jnts with PS free, RD drilling equipment.
- X TIH w/ 10 jnts tag up at 3310' attempt work past using tongs torque up could not work past. TOO H w/ 2 jnts, SIW secure loc. SDFD.
- P Travel to yard.
- 08/10/2017
- P Travel to location.
- P HSM on JSA. Service and start equipment.
- X Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI. RU reliefs open to pit. RU drilling equipment. PU 1 jnt. Mickey Ahrens w/ Enervest ok'd to RD drilling equipment TOO H attempt TIH open ended.
- P LD jnt, RD drilling equipment.
- P TOO H w/ 10 jnts, LD 10 jnts, TOO H 88 jnts, LD BS, and bit.
- P PU 4' tag sub TIH w/ 98 jnts tag up at 3310' attempt work pass could not, RU pump est circ. attempt wash down make no hole. Requested by Mickey Ahrens w/ Enervest TOO H and SDFD.
- P TOO H w/ 98 jnts, LD tag sub. SIW.
- U Load up all loose equipment lock up all other equipment. Shutting down Rig due to staffing issues. Till further notice.
- P Travel back to yard
- 08/28/2017
- P Travel to location.
- P HSM on JSA. Service and start equipment.
- X Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH TSTM, RU relief open the well to the pit.
- P PU 4-3/4" tri cone bit and the bit sub. TIH tallying TBG and tag up at 3338'. Stand back 1 stand, PU the power swivel and 1 JT. Begin drilling and cleaning out from 3338' to 3346' and fell through; no circulation. PU TBG with the swivel to 3461'. Hang back the swivel, TIH to 4826' and tagged up.
- P PU the swivel, and drill / clean out from 4826' to 4982'. Hang back the swivel and TOO H to 2448'.

P Clean and secure location, SDFD.  
P Return to yard.  
08/29/2017  
P Travel to location.  
P HSM on JSA. Service and start equipment.  
X Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI, RU relief open the well to the pit.  
P TIH and tag up at 4941'. PU the swivel and 1 JT. Start pumping down the TBG and PSI up to 1000 PSI at 15 bbl. pumped. RU to reverse circulate, pumped 30 bbl. with light returns. RU the pump to the TBG and PSI up to 1000 PSI after pumping 2 bbl.  
P Hang back the swivel, RU the mud barrel and TOOH to 4029. Attempt to reverse circulate the well, at 20 bbl. light circulation. RU the pump to the TBG and pump 2 bbl. and PSI up to 1000 PSI. Continue TOOH; found a plunger stuck in the S/N. ( Wet trip )  
P Break down the bit and sub, inspect them and confirm they weren't plugged. Make up the bit and sub, TIH to 2448'. Clean and secure location SDFD. Return to Farmington.  
08/30/2017  
P Travel to location.  
P HSM on JSA. Service and start equipment.  
X Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI, RU relief open the well to the pit.  
P TIH and tag up at 4919', LD 1 JT, PU the swivel and 1 JT.  
P Drill/clean out from 4919' to 5260' total. At 5136' the fill started getting hard and the returns increased. Circulate the bottoms up and wait for returns to slow, hang back the swivel.  
P TOOH LD 11 JTS and continue TOOH to 2448'. Clean and secure location SDFD. Return to Farmington.  
08/31/2017  
P Travel to location.  
P HSM on JSA. Service and start equipment.  
X Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI, RU relief open the well to the pit.  
P TIH and tag up at 5220', LD 1 JT, PU the swivel and 1 JT.  
P Drill/clean out from 5220' to 5495' total. At 5490' the fill started getting extremely hard and the returns slowed. Circulate the bottoms up and wait for clean returns, hang back the swivel.  
P TOOH LD to 5375' and continue TOOH. Clean and secure location SDFD.  
P Return to Farmington.  
09/01/2017  
P Travel to location.  
P HSM on JSA. Service and start equipment.  
X Check well PSI: Csg 0 PSI, BH 0 PSI, RU relief open the well to the pit.  
P Pick up notched collar and TIH, tag up at 5445'. PU the swivel and clean out to 5495'. Circulate on bottom until the well was clean.  
P Plug #1 Dakota, Gallup, Mancos, and the Mesaverde; with 66 sxs Class B cement (15.5 ppg, 77.8 cf. ) from 5495' to 4899' WOC; unable to drill out to 6660'; changes were approved by AG with the BLM, B. Powel with NMOCD, and Rod Valarde with the Jicarilla BLM on 8-31-17 at 3:00 PM  
P TOOH to 2444', clean and secure location.  
P Return to Farmington.

- 09/05/2017 Travel to location. Check well PSI: TBG, CSG and BH on vacuum. Open well to pit. ~~Travel to TOC @ 5009'.~~ Run CBL to surface; good cement to 3480'.  
Log shows something from 386' to fluid level at 156'. Plug #3 Chacra top, inside 5.5" casing with 32 sxs Class B cement (15.6 ppg, 37.76 cf) from 4363' to 3074'. TOH to 2444'. SI well. SDFD.
- 09/06/2017 Travel to location.  
P HSM on JSA. Service and start equipment.  
X Check well PSI: TBG vacuum, CSG vacuum, BH vacuum, RU relief open the well to the pit.  
P TIH and tag TOC at 4164'. TOOHL to 3416' and continue TOOHL. Load the hole with 7 bbl. and pump 5 more bbl. at 3 BPM at 0 PSI.  
P RIH with 3-1/8" HSC and perf 3 holes at 3461', POOH. RIH with 5-1/2" wire line set CR and set it at 3411', POOH.  
P PU CR stinger and TIH to 3411', load the hole with 6 bbl. Sting into the CR and attempt to establish rate PSI up to 1000 PSI and held. (Received approval from AG with the BLM, Bryce Hammond with the Jicarilla BLM and B. Powell with the NMOCD approved spotting an inside plug on top of the CR from 3411' to 2959' on 9-6-17 at 1:00 PM)  
P Plug #4 PC, Fruitland and the Kirtland inside the 5-1/2" casing above the CR at 3411', mix and pump 50 sxs Class B cement (15.5 ppg, 59 cf.) from 3411' to 2959'. Note the plug was changed because we couldn't establish a rate into perfs at 3461' below the CR. AG with BLM, Bryce Hammond with the Jicarilla BLM and B. Powell with the NMOCD approved the change on 9-6-17 at 1:00 PM.  
P TOOHL to 3056' and continue TOOHL, LD the stinger. Clean and secure location, SDFD.  
P Return to Farmington.
- 09/07/2017  
P Travel to location.  
P HSM on JSA. Service and start equipment.  
P Check well PSI: SICP - 0#, NO TBG, SIBH - vacuum, open the well to the pit.  
P RIH to TOC @ 3025'. Establish circulation with 5 bbl. Pump 15 total bbl. Attempt to PSI test CSG to 800# (TEST FAILED), slow leak off of 100 PSI per min. LD to plug #4A @ 2862'.  
P TOH, load hole with 8 bbls.  
P JSA, RU A-Plus WL. (Wait on BLM rep.) RIH with 3-1/8" HSC and perf 3 holes at 2912'. Establish rate of 2.0 BPM @ 800 PSI. LD HSC, RIH with 5.5" WLCR and set @ 2862'. LD WL tools.  
P RIH with CR stinger to 2862'. Establish circulation with 1 bbl. Attempt to PSI test CSG to 800 PSI (TEST FAILED). Sting into CR established a rate of 1.5 bpm @ 800 PSI.  
P Plug - 4A (OJO ALAMO TOP) from 2862'-2662' TOC with 44 sx total of class B cement, 1.18 yield, 15.6ppg, 51.92 cu/ft. WOC overnight.  
P LD to TOC @ 2662', TOH LD stinger. SIW, clean and secure location. SDFD.  
P Travel to yard.
- 09/08/2017  
P Travel to location.  
P Check well PSI: SICP - 0#, NO TBG, SIBH - vacuum, open the well to the pit.  
P RIH to TOC @ 2648'. Establish circulation with 8 bbl. Pump 15 total bbl. Attempt to PSI test CSG to 800# (TEST FAILED), slow leak off of 100 PSI per min. LD to plug #5 @ 1642' TOH.  
P JSA, RU A-Plus WL. RIH with 3-1/8" HSC and perf 3 holes at 1692'. Attempt to

- establish a rate into perms. Unable to pump into perms, PSI up to 1000# and slow leak off, too tight to pump plug through CR. WOO. NOTE: Got approval from B. Hammond with BLM, B. Powell NMOCD to spot a balanced plug inside and WOC over the weekend. LD WL tools. RIH with tag sub to 1743' EOT.
- P Plug #5 (NACIMIENTO TOP) from 1743' to 1381' TOC. with 40sx, class B cement, 1.18 yield, 15.6ppg, 42.48cu/ft.
- P LD to TOC @ 1381' TOH. SIW clean and secure location. SDFD.
- P Travel to yard.
- 09/11/2017
- P Travel to location.
- P HSM on JSA. Service and start equipment.
- P Check well PSI: CSG 0 PSI, BH vacuum, RU relief open the well to the pit.
- P PU the plugging sub, TIH and tag TOC at 1506'. Load the hole with 3 bbl. and PSI test the well to 800 PSI, good test. TOOHD LD all the TBG.
- P Load the hole with 4 bbl. RIH with 3-1/8" HSC and perf 3 holes at 250', POOH. Attempt to establish circulation out the perms, PSI up to 1600 PSI and loses 800 PSI in 1 minute. RU the pump to the BH, pump 6 bbl. and establish circulation out the CSG, pump 30 bbl. total. RU the pump on the CSG and pump down the CSG and out the BH, pump 15 bbl. total.
- P Plug #6 Surface, with 3 HSC squeeze holes at 250 ft.; inside/outside the 5-1/2" with no CR; mix and pump 88 sxs Class B cement (15.6 ppg, 103.84 cf) from 250' to surface with good cement to the pit. The plug depth was changed because of the CBL, B. Hammond with the Jicarilla BLM and B. Powell with NMOCD approved the changes on 9-11-17 at 9:00 AM.
- P Wash up all equipment, RD TBG equipment; rack the power swivel and RD the work floor. RD the pump and lines.
- P Dig out the well head. After completing the digging out the well was still on a vacuum. B Hammond with Jicarilla BLM requested WOC overnight. Secure location and SDFD.
- P Return to Farmington.
- 09/12/2017
- P Travel to location.
- P HSM on JSA. Service and start equipment.
- P Check well PSI: CSG 0 PSI, BH vacuum, tag the TOC through the BOP at 4' down.
- P ND the BOP and load the BOP. Write and perform the hot work permit. Cut off the well head. Found cement in the 5-1/2" at surface and the 5-1/2" down 59'. Prep the DHM.
- P Rig down the daylight pulling unit.
- P RU the CMT equipment and the Polly pipe.
- P DHM and top off, mix and pump 37 sxs Class B cement (15.6 ppg, 43.66 cf.) from 59' to surface and set the DHM.
- P RD the CMT equipment.

\* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

### Comments

Date	Job	Comment
08/03/2017	None	Notified BLM and NMOCD on 8/03/2017.
08/10/2017	None	Rod Verlarde w/ Jic. BLM and Monica Kueling w/ NMOCD approved on 8/10/2017 at 10:15 AM that if EOT could get to 6660' ok'd spot balance

09/01/2017 Plug #1 plug for P #1 WOC and tag. Plug #1 Dakota, Gallup, Mancos, and the Mesaverde; with 66 sxs Class B cement (15.5 ppg, 77.8 cf. ) from 5495' to 4899'; unable to drill out to 6660'; changes were approved by AG with the BLM, B. Powel with NMOCD, and Rod Valarde with the Jicarilla BLM on 8-31-17 at 3:00 PM

09/06/2017 Plug #4 Plug #4 PC, Fruitland and the Kirtland inside the 5-1/2" casing above the CR at 3411', mix and pump 50 sxs Class B cement (15.5 ppg, 59 cf.) from 3411' to 2959'. Note the plug was changed because we couldn't establish a rate into perfs at 3461' below the CR. AG with BLM, Bryce Hammond with the Jicarilla BLM and B. Powell with the NMOCD approved the change on 9-6-17 at 1:00 PM.

09/07/2017 Plug 4A Plug 4A approved by B. Powell of BLM, B. Hammond of Jicarilla BLM and AG BLM On 9/6/2017 @ 1:00 PM.

09/08/2017 Plug #5 Got approval from B. Hammond with BLM, B. Powell NMOCD to spot a balanced plug inside from 1743' to 1381' TOC. with 40sx, class B cement, 1.18 yield, 15.6ppg, 42.48cu/ft. and WOC over the weekend.

09/11/2017 Plug # 5 Plug #5 Surface, with 3 HSC squeeze holes at 250 ft.; inside/outside the 5-1/2" with no CR; mix and pump 88 sxs Class B cement (15.6 ppg, 103.84 cf) from 250' to surface with good cement to the pit. The plug depth was changed because of the CBL, B. Hammond with the Jicarilla BLM and B. Powell with NMOCD approved the changes on 9-11-17 at 9:00 AM.

09/12/2017 DHM and top off DHM and top off, mix and pump 37 sxs Class B cement (15.6 ppg, 43.66 cf.) from 59' to surface and set the DHM.  
Well Complete GPS Coordinates Latitude 36.373166 Longitude -107.218691

**On Site Reps:**

Name	Association	Notes
Bryce Hammond	BLM	Jicarilla BLM
Rod Valarde	BLM	Jicarilla BLM

# Jicarilla Apache Tribal 125 #8 As Plugged 9/12/17

West Lindrith Gallup / Dakota

1840' FNL, 1800' FEL, Section 26, T-25-N, R-4-W  
Rio Arriba County, NM, API #30-039-22353

Today's Date: 9/15/17  
Spud: 5/26/80  
Completed: 12/17/80

