

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.*

**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		5. Lease Serial No. JIC118
2. Name of Operator ENERVEST OPERATING LLC		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
3a. Address 1001 FANININ STREET SUITE 800 HOUSTON, TX 77002		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505-320-5682		8. Well Name and No. JICARILLA APACHE A 118 5
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T26N R3W NENW 1030FNL 880FEL		9. API Well No. 30-039-06309-00-S1
		10. Field and Pool or Exploratory Area GAVILAN
		11. County 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 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 recomple 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 recomple 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.

EnerVest Operating, LLC has plugged and abandoned this well.

See attached procedure and wellbore diagram.

OIL CONS. DIV DIST. 3

OCT 05 2017

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #388634 verified by the BLM Well Information System</b> <b>For ENERVEST OPERATING LLC, sent to the Rio Puerco</b> <b>Committed to AFMSS for processing by ABDELGADIR ELMADANI on 10/03/2017 (18AE0002SE)</b>	
Name (Printed/Typed) KYLE REED	Title PRODUCTION ENGINEER
Signature (Electronic Submission)	Date 09/15/2017

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

Approved By <b>ACCEPTED</b>	ABDELGADIR ELMADANI Title PETROLEUM ENGINEER	Date 10/03/2017
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 \*\***

NMOCDA

U

# Jicarilla Apache "A" 118 #5

As Plugged 8/3/17

Gavilan Pictured Cliffs

1150' FNL, 1690' FWL, Section 25, T-26-N, R-3-W,

Rio Arriba County, NM / API #30-039-063090

Today's Date: 8/30/17

Spud: 4/30/62

Completed: 6/1/62

Elevation: 7543' GL

12.25" hole

Nacimiento @ 1075'

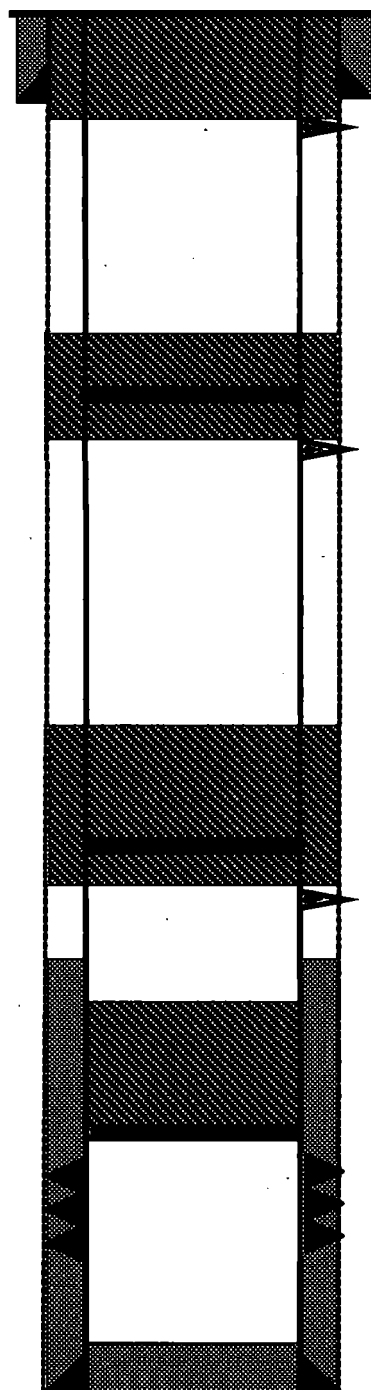
Ojo Alamo @ 2365'

Kirtland @ 2595'

Fruitland @ 3615'

Pictured Cliffs @ 3990'

7.875" hole



Set DHM with 32 sxs

8.625" 22.7# Casing set @ 210'  
Cement with 125 sxs, circulated to surface

Perforate @ 306'

Plug #4: 306' - 0'  
Class B cement, 104 sxs  
(Note: B. Hammond, BLM,  
required to spot cement 50'  
below shoe due to BH  
circulation)

Plug #3: 1125' - 610'  
Class B cement, 51 sxs  
12 inside and 39 outside

Set CR @ 1075'

Perforate @ 1125'

Plug #2: 2640' - 1938'  
Class B cement, 176 sxs  
48 inside and 128 outside

Set CR @ 2595'

Perforate @ 2640'

Plug #1: 3942' - 3200'  
Class B cement, 48 sxs  
w/2% CaCl<sub>2</sub>.

TOC unknown, did not circulate

Set CIBP @ 3942'

Pictured Cliffs Perforations:  
3992' - 3998'; 4039' - 4045'

4.5", 9.5# Casing set @ 4151'  
Cement with 250 sxs

TD 4155'  
PBTD 4121'



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

P.O. Box 1979, Farmington, NM 87499  
(505) 325-2827

Jicarilla Apache A118 #5  
API:30-039-06309, 08/15/2017

## Well Plugging Report

### Cement Summary

**P #1** (PC,FtL) with CIBP at 3942' M & P 48 sks w/ 2% cal. chloride 15.6 PPG Class B Cmt from 3942' to 3309' TOC. Tag Plug @ 3200'.  
**P #2** - (KtL,OJo) M & P 176 sks 205.32 cf 15.6 PPG Class B Cmt from 2640' to 2014' TOC w/ 128 out, 4 below, and 44 above.  
**P #3** - (Nacimiento) M & P 80 Sks 94.4 cf 15.6 ppg Class B Cmt. from 1125' to 680' TOC. w/ 46 out, 4 below, 30 above.  
**P #4** - (Surface) M & P 104 sks 122.72 cf 15.6 PPG Class B Cmt from 306' to surface good cmt returns out BH valve and csg valve.  
**DHM** - M & P 32 sks to set DHM.

### Work Detail

PUX	Activity
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07/21/2017

P	Travel to Equipment.
U	Road rig and equipment to location. (N/C)
P	Spot in equipment on location; tight off set location. RU daylight pulling unit. Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH 0 PSI. RU relief open X-O to 1.90" equipment. Strip on BOP. RU work floor and tbg equipment. LD 38 jnts on float. SIW secure loc. SDFD.
P	Travel to yard

07/24/2017

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 and open to pit. LD 124 joints 1.5" EUE, SN, mule shoe collar, jnts need not tally per J. Cross w/ Enervest.
P	RD 1.90" tbg equipment. X-O to 2 3/8" tbg equipment.
P	PU A Plus 4.5" string mill and round trip to 3980'.
P	PU 4.5" A-Plus CR and TIH; crew attempted to make up stand; threads were dirty. Back off stand to clean threads pipe in slips; dropped CR.
U	TIH w/ 1 jnt 20' in and tag fish at 1396'. Screw into fish; easy attempt PUH and start to pull over string weight; had to set CR make sure screwed into fish make good torque. Set CR and TOOH w/ 45 jnts LD setting tool. SIW. Secure location. SDFD (N/C) A PLUS TIME*
P	Travel to yard.

07/25/2017

U	Travel to location.
U	HSM on JSA. Service and start equipment.

U Check well PSI: No Tbg, Csg 0 PSI, BH 0 PSI. RU relief and open to pit. PU 3 7/8" tri cone work over bit, BS, TIH w/ 43 jnts. RD tbg equipment. RU drilling equipment when turned on PS found hose leaking on rig side of hose next to connection. Hot shot new hose to rig.

U Jicarilla Tribe inspect and check permits on rig and crew.

U Install new hose on rig; no leak.

U PU jnt #43 and tag up CR at 1393'. Start drilling on CR got torque at first then started to fall off; not making enough RPM's just turning on CR. PUH. SIW. Secure location. SDFD.

U Travel to yard. \*Muddy Roads.

07/26/2017

U Travel to location

U HSM on JSA. Service and start equipment.

U Help mechanic fix hydraulic system.

U RIH tag up and CR. Start drilling and break through on CR.

U PU 5 jnts w/ PS, RD drilling equipment. Tag up at 4022'. TOH and LD BHA. SIW. Secure loc. SDFD.

U Travel back to Yard

07/27/2017

P Travel to location.

P HSM on JSA. Service and start equipment.

P Check well PSI: No Tbg, Csg 0 PSI, BH 0 PSI. RU relief and open to pit RU W.L. equipment.

P PU W.L. GR RIH to 3381'; had trouble working past from 3381' to 3400'. RIH to 3960'. When POOH hang up at 3954'; attempt work free. Pump 24 bbl load csg then pump additional 11 bbl; total 35 bbl. Attempt to work free while pumping. J. Cross w/ EnerVest ok to work on getting free harder and if need ok pull out rope socket. Attempt to work free and pull out of rope socket! W.L. truck could not pull out rope socket. Pick up on rig blocks and pull free. POOH and LD GR, Junk basket, jars and CCL. PU 4.5" W.L. CIBP and RIH to 3942'; set CIBP. POOH and LD setting tool.

P TIH w/ 125 jnts and tag CIBP at 3942'.

P RU pump to tbg pump and establish circulation w/ 10 bbls; pump total 70 bbl. Attempt to PT csg; establish injection rate 2 bpm at 600 PSI. Blow out BH.

P TOOH w/ 125 jnts and top load csg w/ 100 bbl.

P Run CBL from 3942' to surface. Engineer to determine TOC. SIW. Secure loc. SDFD

P Travel back to yard.

07/28/2017

P Travel to location.

P HSM on JSA. Service and start equipment.

P Check well PSI: No Tbg, Csg 0 PSI, BH 0 PSI. RU relief and open to pit. PU 4' Tag sub and TIH to CIBP. Pre mix 2% cal. Chloride. RU pump to tbg; pump and est. circ. w/ 6 bbls.

P P #1 (PC,FtL) with CIBP at 3942' M & P 48 sks w/ 2% cal. chloride 15.6 PPG Class B Cmt from 3942' to 3309' TOC.

P TOH and LD tag sub. R. Verlarde w/ BLM ok tag w/ WL.

X WOC per cmt sample.

X Shut down due to lightning voltage too high to arm HSC gun. BLM requested not to tear up roads due to 6" rut rule. SIWI Secure loc. SDFD.

P Travel back to yard.

07/31/2017

P Travel to location.  
P HSM on JSA. Service start equipment.  
P Check well PSI: No Tbg, Csg 0 PSI, BH 0 PSI. RU relief and open to pit. Load csg w/ 13 bbl; attempt to PT csg; leak 2 bbl a min. at 600 PSI.  
P PU HSC gun and RIH tag Plug #1 at 3200'. PUH to 2640' and attempt to perforate; shooting panel had issues. Able to get HSC gun to shoot. POOH and LD gun.  
U Wait on new perforator truck so can set W.L. CR.  
P PU 4.5" W.L. CR and RIH to 2595'; set CR. POOH and LD setting tool.  
P TIH with stinger and tag CR at 2595'. RU pump to tbg pump and est. circ. w/ 5 bbl. SI csg and attempt PT; leak 2 bpm at 600 PSI. Sting into CR and establish injection rate 1.5 bpm at 1000 PSI.  
P P #2 (KtL,Ojo) M & P 176 sks 205.32 cf 15.6 PPG Class B Cmt from 2640' to 2014' TOC w/ 128 out, 4 below, and 44 above.  
P TOH and LD stinger. SIW. Secure loc. SDFD.  
P Travel back to yard.

08/01/2017

P Travel to location. W.L. and crew made it in 3 miles on J-4 muddy roads; and not improving. Call J. Cross w/ Enervest and shut it down due to muddy roads. Turn W.L. and Crew around.  
P Travel back to yard.

08/02/2017

P Travel to location.  
P HSM on JSA. Service and start equipment.  
X Check well PSI: No Tbg, Csg 0 PSI, BH 0 PSI. Open to pit. Load csg w/ 3 bbls. Attempt to PT csg; establish injection rate 1.25 bpm at 800 PSI.  
X PU HSC gun RIH to 1938'; tag TOC good. Perforate 3 squeeze holes at 1125'. POH and LD gun. PU W.L. 4.5" CR and RIH; set at 1075'. POOH and LD setting tool. Load csg w/ 3 bbl and establish injection rate 1.25 bpm at 800 PSI.  
X TIH w/ 34 jnts tag up CR at 1075'. RU pump to tbg and establish circulation w/ 2 bbl. Sting into CR and pump 4 bbl; est rate of 1.25 bbl at 800 PSI.  
P P #3 (Nacimiento) M & P 80 Sks 94.4 cf 15.6 ppg Class B Cmt. from 1125' to 680' TOC. w/ 46 out, 4 below, 30 above.  
P LD W.L. stinger. WOC per cmt. sample. \*While pumping cmt; est circ. out csg and BH. SI csg and BH.  
X WOC.  
X Load csg w/ 3 bbls and attempt to PT csg; no test. \*blow out BH while pumping water\*. PU HSC gun and RIH; tag TOC at 610'. POOH and LD gun. Put dye in pump line pump and est. circulation. Dye came back around at 15 bbl; capacity is 15.5 bbl. Bryce Hammond w/ Jic. BLM ok w/ going 50 below csg shoe and circ. cmt. out BH and csg. 4:30 PM 8/2/2017. PU 10 jnts to 306'.  
P P #4 (Surface) M & P 104 sks 122.72 cf 15.6 PPG Class B Cmt from 306' to surface good cmt returns out BH valve and csg valve.  
X LD 10 jnts. SIW. Secure location. SDFD.  
P Travel back to yard.

08/03/2017

P Travel to location.  
P HSM on JSA. Service and start equip.  
P Check well PSI: No tbg, Csg 0 PSI, Bh 0 PSI. RU relief and open to pit.

Printed on 8/24/2017

- X RD tbg.equipment. RD work floor. Open blind ram doors chip and clean out cmt. ND BOP. Dig out WH. Perform Hot Work permit. Cut off WH; found cmt 60' from surface in 4.5" csg and down 7' on backside. Install 1" poly pipe Install DHM. M & P 32 sks to set DHM.
- P RD pump and cmt equip. RD Daylight pulling unit clean and secure loc. MOL. Job complete.

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