

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

2. Name of Operator

Enervest Operating, LLC

3a. Address

1001 Fannin St., Suite 800 Houston, TX 77002

3b. Phone No. (include area code)

713-659-3500

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

UL C, 660' FNL & 1980' FWL, Sec. 12, T24N, R4W

5. Lease Serial No.

Contract No. 126

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

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

8. Well Name and No.

Apache #116

9. API Well No.

30-039-21892

10. Field and Pool or Exploratory Area

Lindrith Gallup-Dakota West

11. Country or Parish, State

Rio Arriba County , NEW MEXICO

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 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 must 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 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.)

The subject well was P&A'd on 8/17/2018 per the attached final activity report and plugged wellbore diagram.

ACCEPTED FOR RECORD

NMOC

AUG 15 2019

DISTRICT III

OCT 03 2018

FARMINGTON FIELD OFFICE

By: _____

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

Mickey Ahrens

Title

Production Superintendent

Signature



Date

9-6-18

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.

NMOC

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EnerVest Operating, LLC

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

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

Name: Apache 126 #116

API:30-039-21892, 08/20/2018

Well Plugging Report

Cement Summary

Notification - Notified BLM and NMOCD 8-10-18 @ 4:30 pm

Plug #1 - with existing CIBP at 6382' (Dakota/Gallup perforations and top) Mix and Pump 17sxs (1.15 yield 19.55 cuft 16#) Class G cement from 6376' to 6158'

Plug #2 - (Mancos top) Mix and Pump 17sxs (1.15 yield, 19.55 CUFT, 15.8#) Class G cement from 5486' to 5268'.

Plug #3 - (Mesaverde Top) Mix and Pump 20sxs (1.15 yield, 23 CUFT, 15.7#) Class G cement from 4822' to 4566'. Approved by John Hagstrum with BLM and Brandon Powell with NMOCD to spot inside plug 50' below perfs.

Plug #4 - (Chacra top) Mix and Pump 17sxs (1.15 yield, 19.55 CUFT, 15.9#) Class G cement with 2% CALC. from 3991' to 3773'.

Plug #5 - (Pictured Cliffs/Fruitland/Kirtland/ Ojo Alamo tops) Mix and Pump 55sxs (1.15 yield, 63.25 CUFT, 15.8#) Class G cement from 3125' to 2419'.

Plug #6 - (Nacimiento top) Mix and pump 17sxs (1.15 yield, 19.55 cuft, 15.8#) Class G cement from 1231' to 1014'.

Plug #7 - (Surface CSG Shoe and Surface) Mix and Pump 160sxs (1.15 yield, 184 cuft, 15.9#) Class G cement from 434' - Surface.

Top off Well Bore and set P&A marker - Mix and pump 25sxs (1.15 yield, 28.75 cuft 15.8#) Class G cement.

GPS P&A marker Long -107.210780 and Lat +36.330000

Work Detail

PUX	Activity
08/13/2018	
P	RUSU
P	Check WH Pressure 4 1/2" SICP = 0 psi, 2 3/8" SITP = 0 psi, BH 0 psi (valve open). ND WH no TBG in Well. NU BOP Rig Floor and 2 3/8" tbg equipment.
P	Secure Well and Location SDFD.
08/14/2018	
P	HSM, Rig JSA, WL JSA service Rig and Equipment. Check WH pressures. 0 psi on well open to pit
P	RU A-Plus WL RIH with 3.75 GR Tag existing CIBP at 6382' POOH with GR. Load CSG with 10 BBLS water, Attempt CSG pressure test, Pressure to 700# Bleed off to 500# in 1 minute. (No CSG Test). RIH with CBL logging tool and Log 4 1/2" CSG from 6374' to Surface. Cement from 6374' to 5340' and 4240' to 960'. (see log)
P	MU 2 3/8" plugging sub PU and Tally 232-2 3/8" J-55 EUE TBG JTS on Location. Tag CIBP at 6382 with jt #202 LD 1 TBG JT PU 8' Sub with EOT @ 6376'. RU Pump to TBG circulate out 4 1/2" CSG valve with 40 BBLS water.
P	Pumped Plug #1.
P	LD 5 TBG JTS to 6208' TOO H with 12 STDS with EOT @ 5438'. Clean up pump.
P	Secure well and Location SDFN.

08/15/2018

- P HSM, JSA Service Rig and Equipment, Check WH Pressure 0 psi on well open to pit.
- P TIH with 2 3/8" TBG tag Plug #1 TOC with 20' in on JT 197 at 6230'. LD 24 TBG JTS PU 2- 2 3/8" SUBS with EOT @ 5486. RU pump to TBG establish Circulation out 4 1/2" CSG Valve with 5 1/2 BBLs water, shut in CSG pressure to 800 psi Bleed off in 1 minute to 600 psi no csg test bleed off pressure.
- P Pumped Plug #2.
- P LD SUBS, 7 TBG JTS, TOO H with 12 stds EOT at 4496'
- X WOC
- P TIH with TBG Tag Plug #2 TOC @ 5302 JT # 168. LD 20 TBG JTS TOO H With 74 STDS LD Plugging SUB. Load 4 1/2" CSG with 12 BBLs water attempt pressure test no test 200 psi loss in 1 minute.
- P HSM, JSA RU A-Plus WL RIH and perforate 3- 3 1/8" HSC holes at 4772' POOH with WL LD perforating gun.
- P Load CSG with 1/4 BBL water attempt to establish rate into perforations at 4772' pressure up to 800 psi bleed off 200 psi in 1 minute unable to establish rate. (approved by John Hagstrum with BLM and Brandon Powel with NMOC D to spot inside plug 50' below perms.
- P MU 2 3/8" plugging sub TIH with 153 TBG JTS with EOT @ 4842. RU pump to TBG pump establish circulation out CSG valve Well standing full of fluid.
- P Pumped Plug #3.
- P LD 8 TBG JTS to 4560', TOO H with 12 STDS with EOT @ 3799'. Secure Well and Location SDFN.

08/16/2018

- P HSM, JSA, Service Rig and Equipment. Check Well Pressures 0-psi on well open to pit.
- P TIH with 2 3/8" tbg tag plug #3 TOC @ 4627' with 10' in on JT #147. LD 21 TBG JTS with EOT @ 3991'. RU pump to TBG establish circulation out 4 1/2" CSG valve with 4.5 BBLs water. shut in CSG valve attempt CDG PT pressure to 800 psi bleed off 200 psi in 1 minute.
- P Pumped Plug #4.
- P LD 7 TBG JTS to 3767' TOO H with 12 STDS with EOT @ 2995'. Shut in well
- X WOC
- P TIH with TBG tag Plug #4 with JT #121 @ 3832'. LD 22 TBG JTS with EOT @ 3125'. RU pump to TBG load CSG with 3 BBLs water Attempt pressure test same bleed off, bleed off pressure.
- P Pumped Plug #5.
- P LD 22 TBG JTS to 2420', and TOO H with 12 STDS with EOT @ 1661'. WOC overnight.
- P Secure well and location. SDFN

08/17/2018

- P HSM, JSA, Service Rig and Equipment. Check WH pressure 0 psi on well open to pit.
- P TIH with 2 3/8" TBG tag plug #5 TOC @ 2445" with JT #78. LD 39 TBG JTS PU 10' SUB with EOT @ 1231'. RU Pump to TBG establish circulation out 4 1/2" CSG valve with 4.5 BBLs water. Shut in CSG valve attempt pressure test, pressure CSG to 800 psi, 0 psi bleed off 30 minutes good CSG test. Bleed off pressure.
- P Pumped Plug #6.
- P LD 10' sub, 39 TBG JTS and plugging sub.
- P HSM, JSA RU A-Plus WL RIH and perforate 4 - 3 1/8" HSC holes at 434'. POOH with perforating gun. RU pump to CSG EST. Circulation out BH with 3 BBLs water Circulate clean with additional 17 BBLs.

- P Pumped **Plug #7**. 34 sxs inside 4 1/2", 124 sxs outside, and 2 sxs good cement circulated to pit. SI well.
- P RD TBG Equipment, and rig floor. ND BOP dig out WH.
- P HSM, Hot work Permit, RU Pneumatic saw, monitor well 0 LEL cut off and remove WH. TOC down 4' from GL after cut off.
- P **Top off Well Bore.**
- P RD pump truck and rig
- P Clean location and ready equipment to road MOL. SDFWE

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

On Site Reps:

Name	Association	Notes
John Hagstrom	BLM	On Location
Jeff Cross	Co. Rep.	On Location

Apache 126 #116

Plugged

West Lindrith - Gallup Dakota

Today's Date: 8/23/18

660' FNL, 1980' FWL, Section 12, T-24-N, R-4-W, Rio Arriba County, NM

Spud: 1/13/79

Completion: 3/26/79

Elevation: 6890' GR
6903' KB

Lat: _____ N / Lat: _____ W, API #30-039-21892

12.25" hole

8.625", 24#, Casing set @ 384'
Cement with 275 sxs, circulate to surface

Nacimiento @ 1275'

Ojo Alamo @ 2647'

Kirtland @ 2834'

Fruitland @ 3016'

Pictured Cliffs @ 3122'

Chacra @ 4021'

Mesaverde @ 4801'

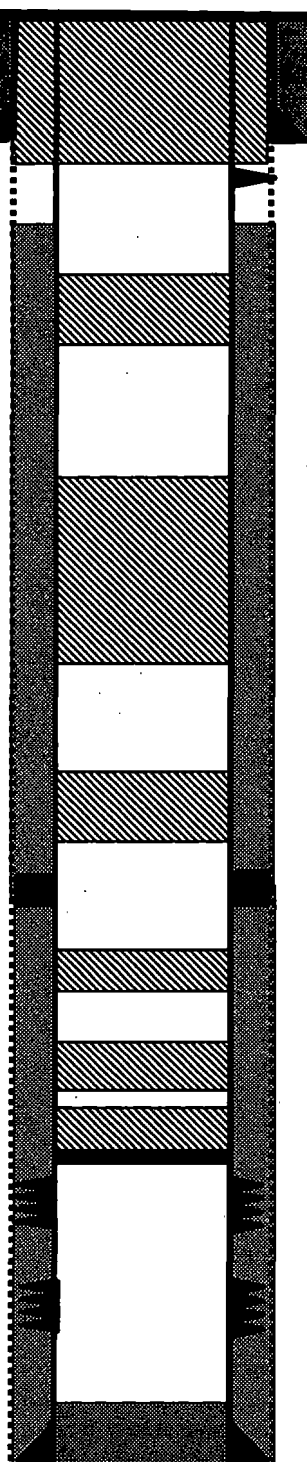
Mancos @ 5582'

Gallup @ 6363'

Existing CIBP @ 6382'

Dakota @ 7200'

7-7/8" Hole



Plug #7: Mix & pump 160sxs
Class G cmt from 434' - Surface

Perforate @ 434'

Plug #6: Mix & pump 17sxs Class
G cmt from 1231' - 1014'

TOC unknown, did not circulate

Plug #5: Mix & pump 55sxs Class
G cmt from 3125' - 2419'

Plug #4: Mix & pump 17sxs
Class G cmt from 3991' - 3773'

Plug #3: Mix & pump 20sxs Class
G cmt from 4822' - 4566'

DV Tool @ 4207'
Stage 2: Cemented with 730 sxs

Plug #2: Mix & pump 17sxs
Class G cmt from 5486' - 5268'

Plug #1: Mix & pump 17sxs Class
G cmt from 6376' - 6158'

Gallup Perforations:
6426' - 6440'

Dakota Perforations:
7285' - 7504'

4.5" 11.6#, casing set @ 7646'
Stage 1: Cemented with 600 sxs

TD 7646'
PBD 7608'