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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Farmington Field Office

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.*

5. Lease Serial No.: **Jicarilla Contract 124**

6. If Indian, Allottee or Tribe Name: **Jicarilla Apache Tribe**

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

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.: **Jicarilla Apache Tribal 124 #13**

2. Name of Operator: **Enervest Operating, LLC**

9. API Well No.: **30-039-23249**

3a. Address: **1001 Fannin St., Suite 800, Houston, TX 77002**

3b. Phone No. (include area code): **713-659-3500**

10. Field and Pool or Exploratory Area: **Lindrith Gallup-Dakota West**

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*: **UL-P 500' FSL & 740' FEL, Section 24, T25N, R4W**

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			
[ ] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[X] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[ ] Change Plans	[X] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] 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 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.)

The subject well was P&A'd on 9/6/2018 per the attached final activity report and plugged wellbore diagram.

NMOCD
AUG 15 2019
DISTRICT III

ACCEPTED FOR RECORD
DEC 17 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: 10-30-18

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.

GOOWN

Printed on 9/9/2018

PLUS WELL SERVICE SINCE 1992

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

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

Name: Jicarilla Apache Tribal 124 #13
API:30-039-23249, 09/09/2018

Well Plugging Report

Cement Summary

BLM and NMOCD - Notified 8-27-18 at 2:00 PM.
Plug #1 - (Dakota/Gallup Interval) Mix and Pump 20SXS (1.15 yield, 16#) Class G cement from 6825' to 6653'
Plug #1A – (Mancos Top) Mix and Pump 20SXS (1.15 yield, 23cuft, 15.9#) Class G cmt from 6110' – 5938'
Plug #2 - (Mesaverde top) Mix and Pump 18SXS (20.7 CUFT, 15.8#) Class G cement from 5200' to 5050'.
Plug #3 - (Chacra top) Mix and Pump 18SXS (1.15 yield, 20.7 CUFT, 15.8#) Class G cement with 2% calcium, from 4455' to 4305'. (Approved by Darrell Priddy with BLM to spot plug on CR Brandon Powell with NMOCD approved setting Plug 8-31-18 if unable to get rate onto perfs.)
Plug #4 - (Pictured Cliffs top) Mix and Pump 54SXS (1.15 yield, 62.1 CUFT, 15.9#) Class G cement (30SXS outside/3 SXS below/21 SXS above) from 3598' to 3396'.
Plug #5 - (Fruitland Kirtland tops) Mix and Pump 94SXS (1.15 yield, 108.1 CUFT, 15.8#) Class G cement (63 SXS outside/6SXS below/25 SXS above) with 2% calcium from 3302' to 3036'.
Plug #6 - (Ojo Alamo) Mix and Pump 18SXS (1.15 yield, 20.7 CUFT, 15.8#) Class G cement from 2732' to 2577'. (Approved by Darrell Priddy with BLM to spot plug #6 on top of CR.)
Plug #7 – (Nacimiento top) Mix and Pump 54SXS (1.15 yield, 62.15 CUFT, 15.8#) Class G cement. (30SXS outside/6 SXS below/ 18 SXS above) with 2% calcium from 1742' to 1642'.
Plug #8 - (8 5/8" surface CSG shoe & surface) Mix and Pump 168SXS (1.15 yield, 193.2 CUFT, 15.8#) Class G cement from 380' to Surface.

Work Detail

PUX	Activity
08/28/2018	
P	Rode rig and equipment to Location. HSM, JSA.
P	Spot in rig and RUSU.
P	Checks WH pressure 5 1/2" SICP 0 psi, 2 7/8" SITP 0 psi, SIBHP 0 psi. RU blow down lines and valves on WH open to pit.
P	ND WH, NU BOP X-Over to 2 7/8" pipe rams and function test OK. RU rig floor and X-Over to 2 7/8" TBG equipment.
P	Tie back TBG blocks to single line. MU 2 7/8" TBG Sub in TBG hanger, PU on TBG release Hanger at 70K. PU up on TBG 40K dragging up hole LD TBG Hanger. PU on TBG 10' pulled to 65 K set down to 48K turned TBG to right 12 turns TBG freed up string weight 40K run back to slips no tag. LD 2-2 7/8" TBG JTS Free pipe String weight at 40K. Put rig Back on Double Fast.
P	Secure Well and location. SDFN
08/29/2018	
P	HSM, JSA, Service rig and equipment check WH pressure SITP 0 psi, SICP 0 psi, SIBHP 0 psi. Open well.
P	TOOH and Tally 244-2 7/8" EUE TBG JTS, 7,925' steel length. TBG Anchor below

	JT # 237.
P	MU 5 1/2" WD CR 2 JTS 1 seat nipple TIH with 208 TBG JTS CR at 6825'
P	Set CR pull 10K over string weight, RU Pump to TBG load with 4 1/2 BBLs water and pressure test 2 7/8" TBG at 1000 psi for 15 minutes with o psi bleed off Good TBG test. Release stinger from CR pump 14 1/2 BBls water establish circulation out 5 1/2" CSG valve pump total of 165 BBLs to circulate clean. Shut in CSG attempt to pressure test CSG establish rate at 1 1/2 BPM at 500 psi with light blow out BH valve (NO CSG TEST). Open well to pit.
P	TOOH 105 STDS LD 5 1/2" Stinger. Top off 5 1/2" CSG with 18 BBLs water.
P	HSM, JSA, and RU A-Plus WL. Log Well from 6822' to surface. (SEE LOG). RD WL unit.
P	Secure Well and Location. SDFN
08/30/2018	
P	HSM, JSA, Service rig and equipment. Check WH pressure SICP 0 psi, SIBHP 0 psi open to pit.
P	MU 4'X2 7/8" Plugging sub, TIH with 105 STDS with EOT at 6825'. RU pump to TBG establish circulation out 5 1/2" CSG valve with 1/2 BBL water, pump 10 BBLs water.
P	Pumped **Plug #1.**
P	LD 6 TBG JTS to 6629, TOOH with 12 STDS to 5849', SI well.
X	WOC (NOTE: split plug 1 to Deep for 1000' plug)
X	TIH with TBG tag plug #1 TOC at 6685' with JT #206. LD 18 TBG JTS with EOT at 6110'. RU pump to TBG establish circulation out CSG valve with BBLS.
P	Pumped **Plug #1A.**
X	LD 6 TBG JTS to 5915' TOOH with 12 STDS With EOT at 5136'. Secure Well and Location SDFN.
08/31/2018	
P	HSM on JSA. S & S rig and equipment. Check WH pressure SITP vacuum, SICP vacuum, SIBHP vacuum.
X	TIH with 2 7/8" TBG tag plug #1A TOC at 5990' with JT #185. LD 25 TBG JTS to 5200' TOOH with 80 STDs LD plugging sub. RU Pump to CSG and load with 18 BBLS water, shut Blind Rams establish rate at 2 BPM at 300 psi.
X	HSM, JSA, RU A-Plus WL (Tom Luther). RIH and perforate 3-3 1/8" HSC holes at 5250' POOH with WL and LD perforation Gun.
P	Load CSG with 2 BBLs water establish rate at 2 BPM at 300 psi and circulation out BH. MU 5 1/2" WD CR TIH with 80 STDs and set CR at 5200'. RU pump to TBG sting into CR attempt to establish rate into perforations at 5250' pressure up to 1200 psi unable to break down perforations. Notified Jack Savage with BLM and Brandon Powell with NMOCD approved setting plug on top of CR.
P	Pumped **Plug #2.**
X	LD 6 JTS TOOH with 12 STDs with EOT at 4027. Secure Well and Location SDFWE.
09/04/2018	
P	Load Rig supplies travel to location.
P	HSM, JSA, Service rig and equipment. Check WH pressures Well on Vacuum, open to pit.
X	TIH with 2 7/8" TBG tag plug #2 TOC at 5040' with JT #155. LD 19 TBG JTS to 4421' TOOH with 68 STDS LD 5 1/2" Stinger.
X	HSM, JSA RU A-Plus WL (Tom Luther RIH and perforate 3-3 1/8" HSC holes at 4490' POOH with WL
P	MU 5 1/2" WD CR TIH with 137 TBG JTS and set CR at 4455' Release from CR RU Pump to TBG establish Circulation out % 1/2" CSG valve with 9.5 BBLs water light Blow on BH. Sting into CR attempt to establish rate into perforations at 4490' pressure to 1200 psi unable to break down. Approved by Darrell Priddy with BLM

	to spot plug on CR Brandon Powell with NMOCD approved setting Plug on top of CR on 8-31-18 if unable to get rate onto perfs.
P	Pumped **Plug #3.**
X	LD 5 TBG JTs 4291, TOOH with 66 STDs LD Stinger. MU 4' X 2 7/8" Plugging sub TIH with 54 STDs with EOT at 3511'.
X	WOC
X	TIH with TBG Tag plug #4 TOC at 4346' with JT #134 LD 24 JTS to 3576' TOOH with 55 STDs LD Plugging sub.
X	RU WL, RIH and perforate 3-3 1/8" HSC holes at 3598'. POOH with WL
X	MU 5 1/2" WB CR TIH with 55 STDS and set CR at 3576'. Release from setting tool, RU pump to TBG establish Circulation out CSG valve with 9 BBLs water with light blow on BH. Sting into CR establish rate into perforations at 3598' at 2 BPM at 400 psi.
X	Pumped **Plug #4.**
X	LD 6 TBG JTS to 3381' TOOH with 52 STDs LD stinger.
P	Secure well and Location. WOC overnight SDFN
09/05/2018	
P	HSM, JSA, service rig and equipment. Check WH pressure well on vacuum.
X	MU plugging sub TIH with TBG tag plug #4 TOC at 3381' with JT #104. LD 4 TBG JTS, TOOH with 30 STDs RU pump to TBG establish circulation out CSG valve with 13 BBLS water shut in CSG attempt pressure test on CSG established rate at 1 BPM at 500 psi with Blow out BH no test. TOOH with 20 STDs LD plugging sub.
X	HSM, JSA, A-Plus WL (Sam Stuart) RIH and perforate 3-3 1/8" HSC holes at 3302' POOH with WL.
X	MU 5 1/2" WD CR TIH with 50 STDS set CR at 3251'. Sting out of CR load CSG with 1/2 BBL water. Sting into CR establish rate into perfs at 3302' at 2 BPM at 900 psi. Sting out of CR. (NOTE: mix 70 SXS Before stinging into CR due to high pressure rate.)
X	Pumped **Plug #5.**
X	LD 8 TBG JTS 2991' TOOH with 46 STDS, LD stinger.
X	WOC
X	MU plugging sub TIH with TBG TAG Plug #5 TOC at 3011 with JT #93. LD 9 TBG JTS to 2732 TOOH with 42 STDS LD plugging sub.
X	RU WL RIH and perforate 3-3 1/8" HSC holes at 2768', POOH with WL.
X	MU 5 1/2" WD CR TIH with 42 STDS and set CR at 2732'. RU pump to TBG, sting out of CR establish circulation out CSG valve with 6.5 BBLs water, sting into CR attempt to establish rate into perfs at 2768' pressure to 1300 psi unable to breakdown perfs. (Approved by Darrell Priddy with BLM to spot plug #6 on top of CR.)
P	Pumped **Plug #6.**
X	LD 6 JTS to 2536, TOOH with 39 STDS, LD stinger. WOC overnight
P	Secure well and Location. SDFN
09/06/2018	
P	HSM, JSA, service rig and equipment. Check WH pressure CSG and BH on vacuum. open well to pit.
X	MU Plugging sub TIH with 80 TBG JTS tag plug #6 at 2591'. LD 28 TBG JTS TOOH with 26 STDS.
P	HSM, JSA A-Plus WL (Tom Luther) RIH and perforate 3-3 1/8" HSC holes at 1742', POOH with WL.
P	RU pump to CSG and load with 16 BBLs water establish rate at 2 BPM at 600 psi light Blow on BH. MU 5 1/2" WD CR TIH with 26 STDS and set CR at 1690'. Sting out of CR establish circulation out CSG valve with 1/4 BBL water shut in CSG valve attempt CSG pressure test, Circulation out BH with 2 BBLs at 2 BPM at 600 psi

	open CSG to pit. Sting into CR establish rate into perforations at 1742' at 1 BPM at 900 psi circulation out CSG and BH. Shut in CSG. (SI CSG valve for plug below CR).
P	Pumped **Plug #7.**
X	LD 6 TBG JTS to 1432' TOOH with 22 STDs.
X	WOC
X	MU plugging sub TIH with 48 TBG JTS and tag plug #7 TOC at 1551' LD 48 JTS and plugging sub. RU pump to CSG and load with water shut Blind Rams pressure to 800 psi on 5 1/2" CSG unable to establish rate lose 10psi in one minute.
P	RU WL unit RIH and perforate 4-3 1/8" HSC holes at 380', POOH With WL. Pump down CSG establish circulation out BH at 4 BPM at 300 psi circulate clean with 26 BBLs water. ND BOP NU WH.
P	Pumped **Plug #8.** 10SXS good cement circulated out BH to pit.
P	Secure well and location. SDFN
P	Travel to A-Plus yard.

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

On Site Reps:

Name	Association	Notes
Darrell Priddy	BLM	On Location

Jicarilla Apache Tribal 124 #13

Plugged WBD

West Lindrith – Gallup Dakota

Today's Date: **9/12/18**

Spud: 9/4/83

Completion: 10/24/83

Elevation: 7163' KB
7150' GR

500' FSL, 740' FEL, Section 24, T-25-N, R-4-W, Rio Arriba County, NM

Lat: _____N / Lat: _____ W, API #30-039-23249

12.25" hole

8.625", 24#, Casing set @ 330'
Cement with 480 cf, circulate to surface

Nacimiento @ 1494'

Ojo Alamo @ 2718'

Kirtland @ 3143'

Fruitland @ 3252'

Pictured Cliffs @ 3548'

Chacra @ 4409'

Mesaverde @ 5200'

DV Tool @ 5880'
Stage 2: Cemented with 2020 cf

Mancos @ 6296'

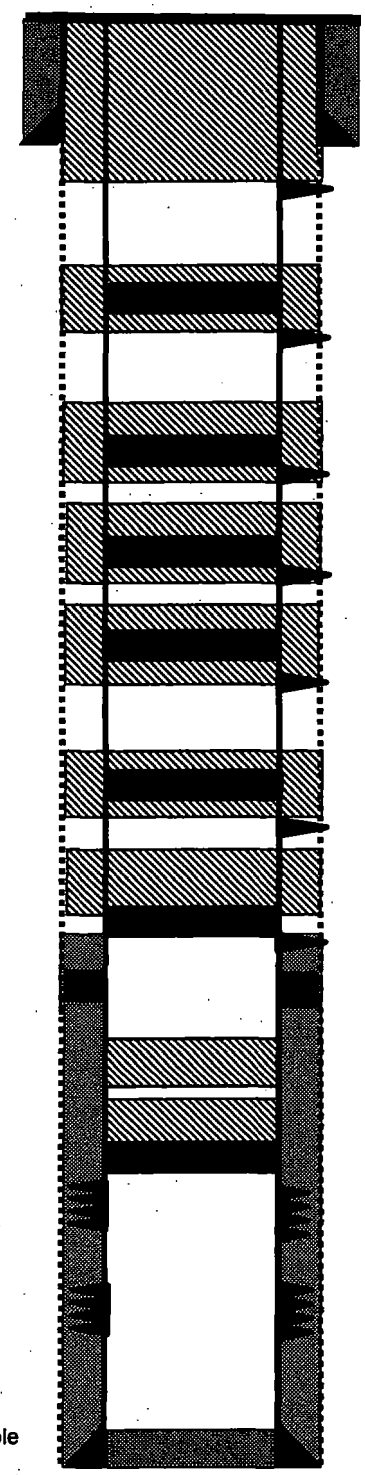
Gallup @ 6982'

Gallup Perforations:
6862' – 7190'

Dakota @ 7729'

Dakota Perforations:
7734' – 7768'

7-7/8" Hole



TD 8092'
PBTD 8058'

Plug #8: Mix & pump 168sxs Class G cmt from 380' – Surface
Perf 4 holes @ 380'

Plug #7: Mix & pump 54sxs Class G cmt from 1742' – 1642'
Perf 3 holes @ 1742'
Set 5 ½" CR @ 1690'

Plug #6: Mix & pump 18sxs Class G cmt from 2732' – 2577'
Perf 3 holes @ 2768'
Set 5 ½" CR @ 2732'

Plug #5: Mix & pump 94sxs Class G cmt from 3302' – 3036'
Perf 3 holes @ 3302'
Set 5 ½" CR @ 3251'

Plug #4: Mix & pump 54sxs Class G cmt from 3598' – 3396'
Perf 3 holes @ 3598'
Set 5 ½" CR @ 3576'

Plug #3: Mix & pump 18sxs Class G cmt from 4455' – 4305'
Perf 3 holes @ 4490'
Set 5 ½" CR @ 4455'

Plug #2: Mix & pump 18sxs Class G cmt from 5200' – 5050'
Perf 3 holes @ 5250'
Set 5 ½" CR @ 5200'

Plug #1A: Mix & pump 20sxs Class G cmt from 6110' – 5938'

Plug #1: Mix & pump 20sxs Class G cmt from 6825' – 6653'

Set CR @ 6825'

5.5" 15.5#, casing set @ 8092'
Stage 1: Cemented with 841 cf