

Well Name: JICARILLA APACHE	Well Location: T25N / R4W / SEC 23 / SENW / 36.387731 / -107.224833	County or Parish/State: RIO ARRIBA / NM
Well Number: 2	Type of Well: OIL WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC124	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003922141	Well Status: Producing Oil Well	Operator: ENERVEST OPERATING LLC

Notice of Intent

Sundry ID: 2649071

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 12/15/2021	Time Sundry Submitted: 03:40
Date proposed operation will begin: 12/15/2021	

Procedure Description: Enervest Operating, LLC requests permission to plug and abandon this well per that attached procedure. This sundry was originally submitted on Sundry ID: 2641319. That sundry was deleted. This sundry notice is to replace the old one. The requested updates are attached to this NOI.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- JAT_124_2_3003922141_reclamation_plan_20211215153957.pdf
- JAT_124_2__3003922141_PA_procedure_20211215153956.pdf
- JAT_124_2__3003922141_proposed_PA_wellbore_20211215153957.pdf

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Conditions of Approval

Additional Reviews

2649071_NOIA_2_3003922141_KR_12162021_20211216162920.pdf

General_Requirement_PxA_20211216162903.pdf

25N04W23FKd_Jicarilla_Apache_2_20211216144303.pdf

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: AMY ARCHULETA	Signed on: DEC 15, 2021 03:40 PM
Name: ENERVEST OPERATING LLC	
Title: Regulatory Supervisor	
Street Address: 2700 FARMINGTON AVE., BLDG K SUITE 1	
City: FARMINGTON	State: NM
Phone: (505) 325-0318	
Email address: AARCHULETA@HIGHRIVERLLC.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Approved	Disposition Date: 12/16/2021
Signature: Kenneth Rennick	

PLUG AND ABANDONMENT PROCEDURE

10/10/21

Jicarilla Apache Tribal 124 #2

West Lindrith – Gallup Dakota

F1710' FNL, 1760' FWL, Section 23, T25N, R4W, Rio Arriba County, New Mexico

API 30-039-22141

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. **Plug #1 (Dakota perforations and top, 7334' - 7234):** R/T 5.5" gauge ring or mill to 7334' or as deep as possible. RIH and set 5.5" CR at 7657'. Pressure test tubing to 1000#. Mix and pump 23 sxs Class G cement (excess due to open Gallup perms) and spot a plug inside casing to isolate the Dakota interval. PUH.
4. **Plug #2 (Gallup perforations and top, 6761' – 6661'):** Set 5.5" CR @ 6761'. Attempt to pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as necessary. Mix and pump 18 sxs Class G cement and spot a balanced plug inside casing to cover the Gallup perforations and top. PUH.
5. **Plug #3 (Mancos top, 5885'- 5785'):** Mix and pump 18 sxs Class G cement and spot a balanced plug inside casing to cover the Mancos top. PUH.
6. **Plug #4 (Mesaverde top, 5215' - 5115'):** Mix and pump 18 sxs Class G cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
7. **Plug #5 (Chacra top, 3770' – 3670'):** Mix and pump 18 sxs Class G cement and spot a balanced plug inside casing to cover the Chacra top. PUH.
8. **Plug #6 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3356' – 2650'):** Mix and pump 88 sxs Class G cement and spot a balanced plug inside casing to cover PC through the Ojo Alamo top. TOH.
9. **Plug #6 (Nacimiento top, 1450' – 1350'):** Mix and pump 18 sxs Class G cement and spot a balanced plug inside casing to cover Nacimiento top. TOH.

10. **Plug #7 (8-5/8" Surface casing shoe and Surface, 381' - Surface):** Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 45 sxs cement and spot a balanced plug from 383' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing and annulus from the squeeze holes to surface. Shut in well and WOC.
11. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

WELL NAME

JAT 124 #2

DATE
DATE DRILLED
DATE COMP.

11/20/2000
Dec-1979
Dec-1979

SURFACE CSG:
8-5/8" 24.0# @333'

12/27/2006
Rod Pumping Well
Present Prod:
2 BOPD 59 MCFD 1.5 BWPD

5-1/2" 17.0# N-80
DV Tool @ 5549'
FC @ 8065'
100% returns on cmt
Contaminated Mud to Surface

Bottom of tbg @ 7897'

9/11/2000
Hole in tbg. Replace. Swab 2 days
Iron Sulfide in interface
5/17/2000
Pump quit. Full of Iron Sulfide
solids. Swabbed.
10/22/1999
Pump quit. Full of Iron Sulfide
solids. Swabbed. Pump w/ iron
sulfide and pulverized scale.

Perfs:
Gallup
6811 - 6928 108 shots
6978 - 7118 141 shots

7-27-98 Pulled tbg. Well on plunger.
SN scaled up - analyzed. Calcium
Carbonate.

Dakota
Graneros 7707-7738 54 shots
Main Dak 7760 -7906 69 shots

Dak Frac 157,000 Gal 40# X-link gel
with 395,000# sand
Gallup frac 2 stage
157,000 gal 40# X-Link gel w/ 202,000# sd

4-4-85 Refrac 7707-7766' (No Info)

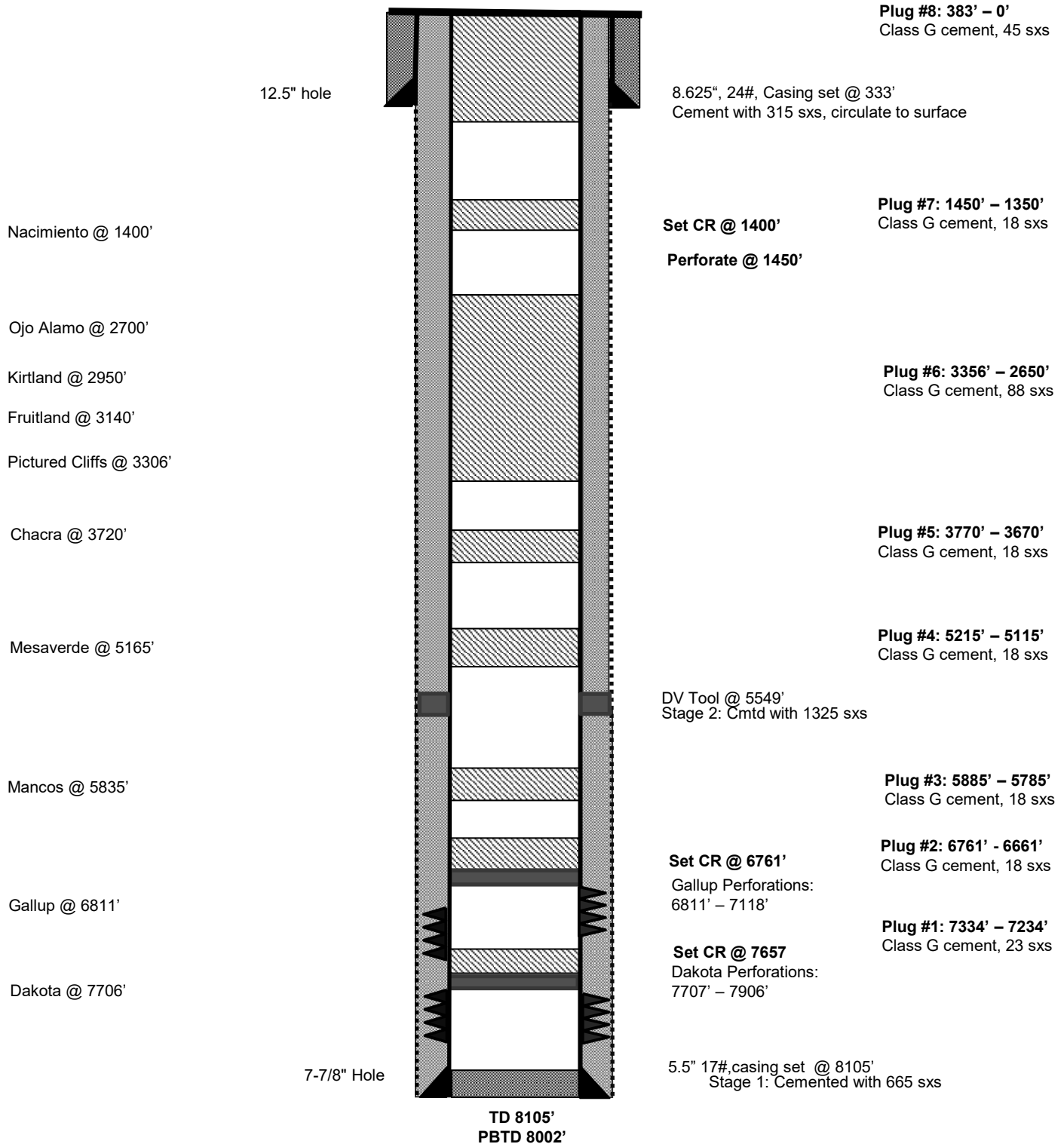
Jicarilla Apache Tribe 124 #2

Proposed P&A

West Lindrith – Gallup Dakota

Today's Date: 10/18/21

1710' FNL, 1760' FWL, Section 23, T-25-N, R-4-W,
Rio Arriba County, NM API #30-039-22141



BLM FLUID MINERALS P&A Geologic Report

Date Completed: 12/16/2021

Well No. Jicarilla Apache #2 (API# 30-039-22141)	Location	1710	FNL	&	1760	FWL
Lease No. Jicarilla Contract 124	Sec. 23	T25N			R04W	
Operator EnerVest Operating, LLC	County	Rio Arriba		State	New Mexico	
Total Depth 8105'	PBTD 8002'	Formation Dakota				
Elevation (GL) 7094'	Elevation (KB) 7101'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	1620	Surface/freshwater sands
Nacimiento Fm			1620	2948	Freshwater sands
Ojo Alamo Ss			2948	3153	Aquifer (possible freshwater)
Kirtland Shale			3153	3309	
Fruitland Fm			3309	3455	Coal/Gas/Possible water
Pictured Cliffs Ss			3455	3550	Gas
Lewis Shale			3550	4370	
Chacra			4370	5177	Gas
Cliff House Ss			5177	5212	Water/Possible gas
Menefee Fm			5212	5625	Coal/Ss/Water/Possible O&G
Point Lookout Ss			5625	5835	Probable water/Possible O&G
Mancos Shale			5835	6811	
Gallup			6811	7618	O&G/Water
Greenhorn			7618	7680	
Graneros Shale			7680	7706	
Dakota Ss			7706	PBTD	O&G/Water

Remarks:

P & A

- Logs from Reference Well #1 used to pick the Dakota – Point Lookout formation tops; top of logged interval at 5542'. Menefee – Nacimiento formation tops were estimated using logs from Reference Well #2.

- No CBL on file.

- Bring the bottom of Plug #4 (Cliff House/Mesaverde) down to 5227' to cover BLM formation top pick.

- Adjust Plug #5 (Chacra) to cover BLM formation top estimate at 4370'.

- Bring the bottom of Plug #6 (Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo) down to 3505' to cover BLM formation top estimate for the Pictured Cliffs at 3455'.

- Adjust Plug #7 (Nacimiento) to cover BLM formation top estimate at 1620'.

- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.

- Dakota perfs 7707' – 7906'. Gallup perfs 6811' – 7118'.

Reference Well:

1) Formation Tops (Dakota – Point Lookout)

Same

2) Formation Tops (Menefee – Nacimiento)

EnerVest Operating, LLC
Jicarilla Apache Tribal 124 #1
1850 FSL, 790 FWL
Sec. 23, T25N, R04W
GL 7002'

Prepared by: Chris Wenman

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

Attachment to notice of
Intention to Abandon

Re: Permanent Abandonment
Well: Jicarilla Apache 2

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modifications to your plugging program are to be made:
 - a) Plug 4 (Cliff House/ Mesaverde): Adjust plug to cover BLM formation top pick at 5227 feet.
 - b) Plug 5 (Chacra): Adjust plug to cover BLM formation top pick at 4370 feet.
 - c) Plug 6 (Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo): Bring the bottom down to 3505 feet to cover BLM formation top pick for the Pictured Cliffs at 3455 feet.
 - d) Plug 7 (Nacimiento): Adjust plug to cover BLM formation top pick at 1620 feet.
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 12/16/2021

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 67677

CONDITIONS

Operator: High River Resources Operating, LLC 2700 Farmington Ave FARMINGTON, NM 87401	OGRID: 328985
	Action Number: 67677
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to BLM approved plugs and COAs. See GEO Repor	12/21/2021
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	12/21/2021