

State of New Mexico  
Energy, Minerals and Natural Resources Department

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Michelle Lujan Grisham  
Governor

Sarah Cottrell Propst  
Cabinet Secretary

Todd E. Leahy, JD, PhD  
Deputy Secretary

Adrienne Sandoval, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions  
listed below are made in accordance with OCD Rule 19.15.7.11  
and are in addition to the actions approved by BLM on the  
following 3160-4 or 3160-5 form.

Operator Signature Date: 5/29/2019

Well information:

**30-043-20080 JAIR #001**

**ENDURING RESOURCES, LLC**

Application Type:

- ☒ P&A    ☐ Drilling/Casing Change    ☐ Location Change  
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA  
Underground injection control Guidance #84; Submit Gas Capture Plan form prior to  
spudding or initiating recompletion operations)  
☐ Other:

Conditions of Approval:

- Notify NMOCD 24hrs prior to beginning operations.
- Add plug for casing shoe: 4,825' – 4,725'
- Adjust plug #1 to 4,350'-4,110' to cover the Mancos top. OCD Mancos pick @ 4,300'.
- Adjust plug #3 to 3,420' – 3,310' to cover the Mesaverde top. OCD Mesaverde pick @ 3,360'.
- Add a plug 2,230' – 2,130' to cover the Chacra top. OCD Chacra pick @ 2,180'
- Adjust plug #5 to 1,570' – 1,270' to cover the Ojo Alamo and Kirtland tops. OCD Ojo Alamo pick @ 1,320'. OCD Kirtland pick @ 1,520'

NMOCD Approved by Signature

10/17/19

Date

RECEIVED

MAY 29 2019

Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.

Jicarilla Apache Lease 424

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

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

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other

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

8. Well Name and No.

Jair 001

2. Name of Operator

Enduring Resources IV LLC

9. API Well No.

30-043-20080

3a. Address

200 Energy Court Farmington NM 87401

3b. Phone No. (include area code)

505-636-9743

10. Field and Pool or Exploratory Area

Venado Mesaverde

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

SHL: 1980' FNL &amp; 660' FEL Sec 7 T22N R5W Unit: H

11. Country or Parish, State

Sandoval, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 checked="" type="checkbox"/> Other <b>Plug and Abandon</b>
	<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.)

Enduring Resources IV LLC requests to plug and abandon the Jair 001 per the attached procedure, current and proposed wellbore diagram.

Note: The P&A reclamation plan will be submitted at a later date. Enduring is currently waiting for a response back from Jicarilla to schedule an onsite.

NMOCD

SEP 30 2019

DISTRICT III

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

Lacey Granillo

Title: Permit Specialist

Signature

Date: 5/29/19

## THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Petroleum Engineer

Date

9-17-2017

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

FFO

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.

NMOCD



Family-owned, founded in 1963 with Aztec Well Servicing Co.



**Enduring Resources  
Plug & Abandon Procedure  
May 20, 2019**

<b>Well:</b>	Jair #1	<b>API:</b>	30-43-20080
<b>Location:</b>	1980' FNL & 660' FEL	<b>Field:</b>	Venado Mesaverde
<b>Sec,T, R:</b>	Sec 7, T22N, 05W	<b>Elevation:</b>	GL: 6959'
<b>Cnty/State:</b>	Sandoval, New Mexico		
<b>Lat/Long:</b>	36.1535339,-107.396019	<b>By:</b>	Aztec Well Servicing

**Objective:**

Permanently plug & abandon the well from 4210' to surface containing 6 cement plugs.

**Prior to Rig:**

1. Notify BLM & NMOCD
2. Note: verify all cement volumes based on actual slurry to be pumped.
3. See attached COA's from BLM & NMOCD.

**Procedure:**

1. MIRU well servicing rig and cement equipment.
2. Spot in hot shot trailer and LD rods.
3. ND WH, NU BOPE, RU rig floor and 2-7/8" handling tools.
4. LD 2-7/8" production string.
5. Change out handling tools to 2-3/8".
6. Tally and PU 2-3/8" work string open ended and RIH and tag CIBP @4210'.
7. Rig up sandline and sinker bar to find fluid level.
8. **Plug #1: 4210'-4110' (Gallup Top: 5200' Mancos top 4300')** Mix & pump 38sxs of Class G cement (or equivalent) on top of CR to cover Gallup and Mancos tops.
9. During WOC TOO and TIH with casing scraper to 3940'.
10. TOO with casing scraper and TIH open ended and tag plug to confirm top of cement @ 4210'. Re pump plug if necessary.
11. TOO and TIH with CR and set @ 3924'
12. Pressure test tubing to 1000psi, roll well and close pipe rams then pressure test casing to 800psi. (WOC's to be determined if test holds).
13. TOO with setting tool and rig up wireline.
14. Run CBL then rig down wireline.
15. TIH to 3924'.
16. **Plug #2: 3924'-3824' (Menefee Top: 3960' & Perfs)** Mix & pump (balance plug) 29sxs of Class G cement (or equivalent) on top of CR to cover Menefee perfs. Pull up and reverse circulate tubing clean.
17. TOO, rig up wireline and perforate @ 3420'. Rig down wireline.
18. TIH with CR and set @ 3370'.
19. **Plug #3: 3420'-3370' (Mesaverde top @3370')** Mix & pump 57sxs of Class G cement pumping 27sxs outside and 30sxs inside to cover the Mesaverde top. Pull up and reverse circulate tubing clean.



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**Plug & Abandon Procedure**  
May 20, 2019

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<b>Lat/Long:</b>	36.1535339,-107.396019	<b>By:</b>	Aztec Well Servicing

- 
20. TOOH, rig up wireline and perforate @ 1928'. Rig down wireline.
  21. TIH with CR and set @ 1878'.
  22. **Plug #4: 1928'-1828' (Pictured Cliffs top @1878')** Mix & pump 57sxs of Class G cement pumping 27sxs outside and 30sxs inside to cover the Pictured Cliffs top. Pull up and reverse circulate tubing clean.
  23. TOOH, rig up wireline and perforate @1370'. Rig down wireline.
  24. TIH with CR and set @ 1320'.
  25. **Plug #5: 1370'-1320' (Ojo Alamo top @ 1320')** Mix & pump 57sxs of Class G cement pumping 27sxs outside and 30sxs inside to cover the Ojo Alamo top. Pull up and reverse circulate tubing clean.
  26. **Note:** Kirtland top unidentified.
  27. TOOH, rig up wireline and perforate @ 512'. Rig down wireline.
  28. **Plug #6: 512'-0' (Surface shoe and surface)** Pump water down casing and up braiden head to establish injection rate. Mix & pump 190sxs of Class G cement to surface.
  29. ND BOP and cut off wellhead below surface casing flange per regulation. Top off w/cement if needed. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.



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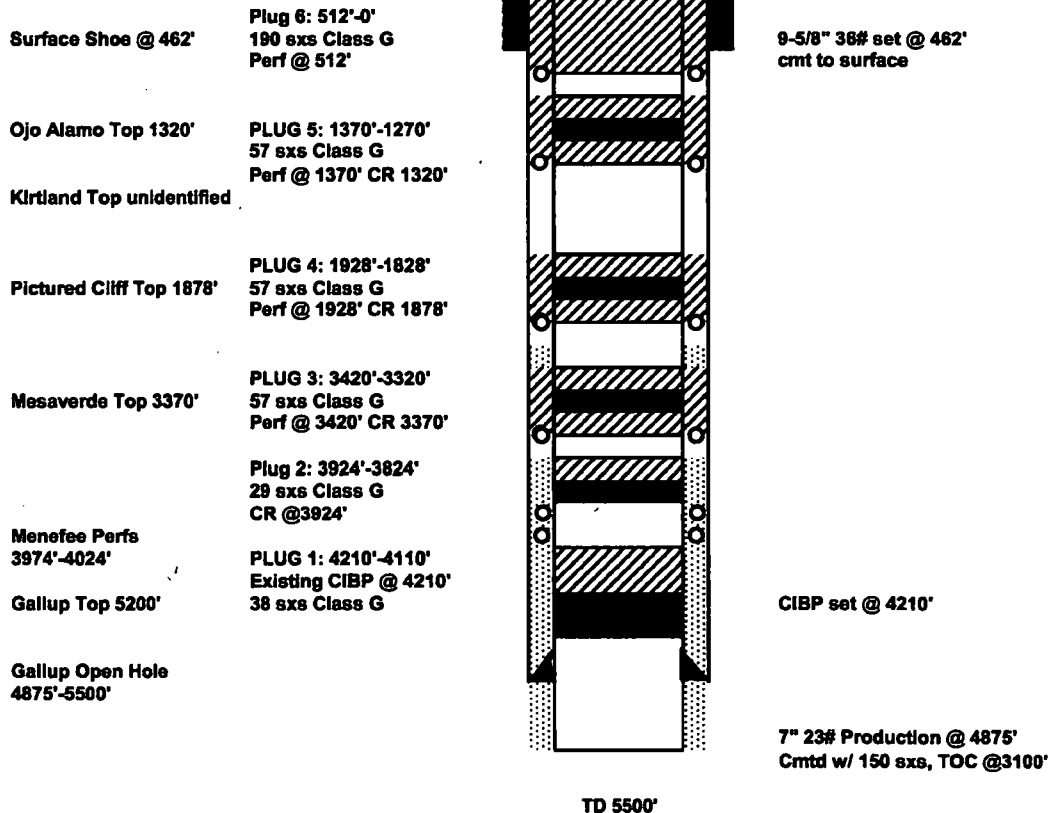


**Enduring Resources**  
**Plug & Abandon Procedure**  
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**Cnty/State:** Sandoval, New Mexico  
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**API:** 30-43-20080  
**Field:** Venado Mesaverde  
**Elevation:** GL: 6959'  
**By:** Aztec Well Servicing

**JAIR #1**  
**Proposed P&A**





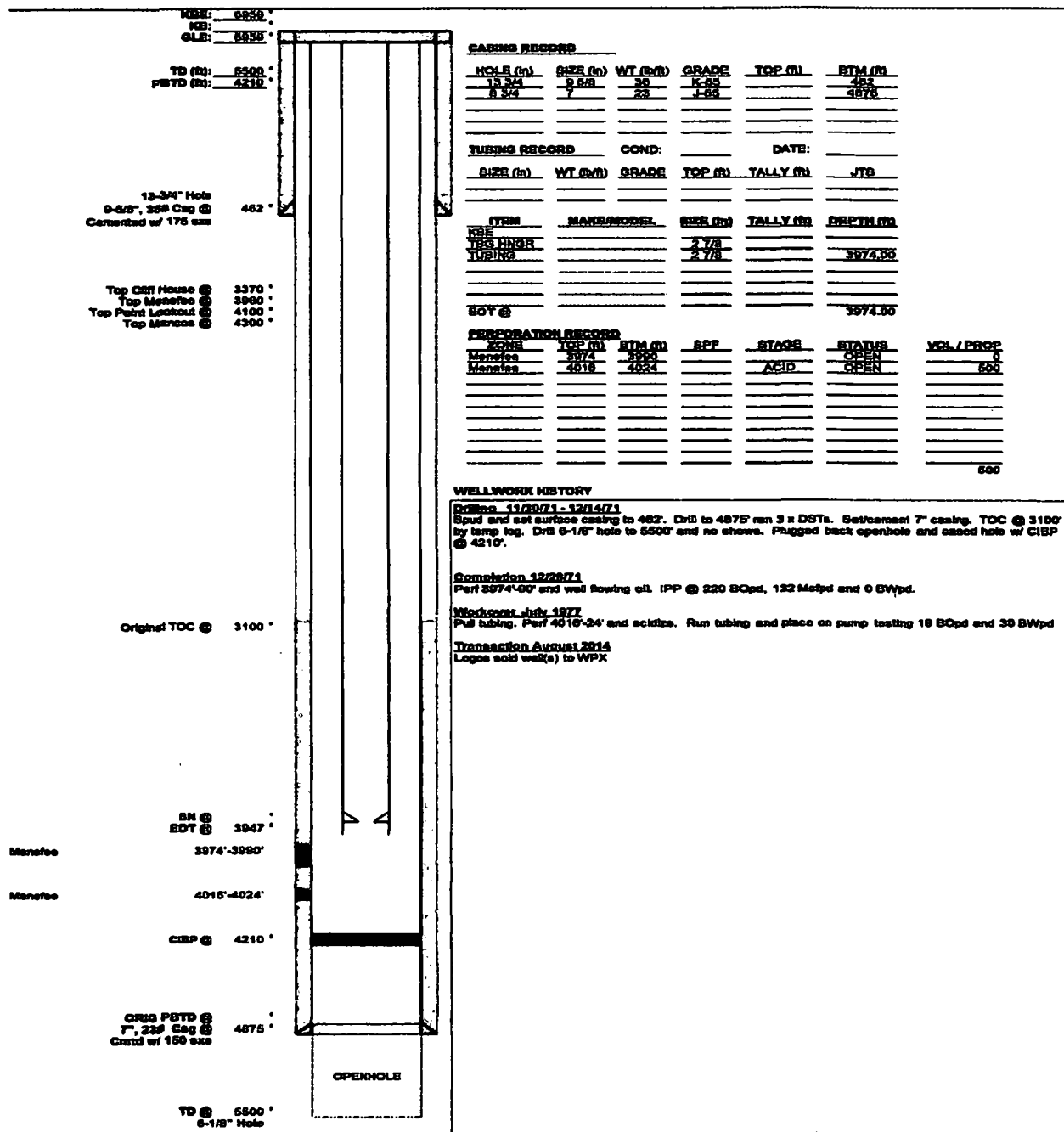
# Wellbore Diagram & Completion Details

OPERATOR: ENDURING RESOURCES  
WELL: JAIR #1  
FIELD: Venado Mesa Verde  
API # 50-043-20080  
LEASE #: Jicortilla Tribal 424  
WAPIR: 1

CNTY: Sandoval PTO: 1880' FNL, 680' FEL  
STATE: NM Q-Q: BENE  
SPUD: 11/20/71 SEC.: 7  
COMP: TWB: 22N  
STATUS: SLOW RGE: 5W  
WBD DATE: 04/01/19 BY: JTC

IP GAS: 132  
IP OIL: 220  
IP WTR: 0  
CUM GAS: 5,684  
CUM OIL: 65,882  
CUM WTR: 110,588  
LAST PROD:

## CURRENT WELLBORE DIAGRAM



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: Jair 1

**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. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. Submit electronic copy of the CBL for verification to the following addresses: [jkillins@blm.gov](mailto:jkillins@blm.gov) and [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us) . Based on CBL results inside/outside plugs and volumes will be adjusted accordingly. Please review the General Requirements document to ensure volumes meet required excess inside and outside casing.
4. BLM picks PC at 1918' md. Set plug #4 1868' – 1968' md.
5. BLM picks Fruitland at 1708' md. Add an additional plug 1658' – 1758' md or extend plug #4 to 1968' – 1658' md.
6. BLM picks Ojo Alamo at 1406' md. Set plug #5 1356' – 1456' md.