

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

Heather Riley, 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: 8/1/18 Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-06605-00-00	BLANCO	004	ENDURING RESOURCES, LLC	G	A	San Juan	N	M	12	27	N	9	W

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 Chacra plug 2995' – 2895'.

NMOCD Approved by Signature

10/22/18
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 01 2018

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		5. Lease Serial No. I-149-IND-8465
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name Navajo
2. Name of Operator ENDURING RESOURCES IV, LLC		7. If Unit of CA/Agreement, Name and/or No.
3a. Address 332 ROAD 3100 AZTEC, NM 87410		8. Well Name and No. Blanco 4
3b. Phone No. (include area code) (505) 636-9722		9. API Well No. 30-045-06605
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1090 FSL, 990 FWL S 12, T 27N, R9W		10. Field and Pool or Exploratory Area MESAVERDE
		11. Country or Parish, State SAN JUAN 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 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 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 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 BLANCO 4 IS NO LONGER ECONOMIC TO OPERATE, ENDURING RESOURCES IV LLC PROPOSES TO PA THIS WELL WITH THE FOLLOWING:

PLEASE SEE ATTACHED PROCEDURE, CURRENT AND PROPOSED WELLBORE DIAGRAMS.

Notify NMOCD 24 hrs
prior to beginning
operations

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

NMOCD

SFP 14 2018

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) APRIL E POHL	Title REGULATORY SPECIALIST
Signature <i>April E Pohl</i>	Date <i>August 1, 2018</i>

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	Title <i>FE</i>	Date <i>9/13/18</i>
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 <i>FTO</i>	

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 *NA*

BLANCO 4 PA PROCEDURE

1. MIRU well servicing rig and cement equipment.
2. ND WH, NU BOPE, RU rig floor and 2.375" handling tools.
3. LD production string. Approximately 4493'.
4. Pick up 7" casing scraper and tally and RIH w 2-3/8" work string to 4200'.
5. TOOH and LD casing scraper. Pick up 7" CICR, RIH and set at 4172'.
6. Pressure test tubing to 1000psi and sting out of CICR.
7. Roll well and test casing to 500psi. (WOC to be determined if test holds).
8. **Plug #1, 4072' - 4172' (Mesaverde perfs and 5-1/2 Top: 4222', Perfs: 4332' - 4452')**: Mix & pump 19 sxs of Class B cement (or equivalent) on top of CIBP to plug off Mesaverde perfs. Circulate hole clean.
9. TOOH with setting tool and TIH open ended to 3740'.
10. **Plug #2, 3590' - 3740' (Mesaverde Top: 3665')**: Spot balanced plug using 29 sxs Class B cement to cover Mesaverde top. PUH and reverse circulate.
11. WOC. TIH to confirm top of plug. Re- spot if necessary.
12. LD tubing to 2195. Approximately 49 joints.
13. **Plug #3, 1965' - 2195' (Pictured Cliffs and Lewis Tops: 2040'/ 2120')**: Spot balanced plug using 44 sxs Class B cement to cover Pictured Cliffs and Lewis tops. PUH and reverse circulate tubing.
14. WOC. TIH to confirm top of plug. Re- spot if necessary.
15. LD tubing to 1949'. Approximately 8 joints.
16. **Plug #4, 1790' - 1940' (Fruitland Top: 1685')**: Spot balanced plug using 29 sxs Class B cement to cover Fruitland top. PUH and reverse circulate.
17. WOC. TIH to confirm top of plug. Re- spot if necessary.
18. LD tubing to 1272'. Approximately 21 joints.
19. **Plug #5, 978' - 1272' (Ojo Alamo and Kirtland Tops: 1053'/ 1197')**: Spot balanced plug using 55 sxs Class B cement to cover Ojo and Kirtland tops. PUH and reverse circulate.
20. WOC. TIH to confirm top of plug. Re- spot if necessary.
21. LD tubing to 223' Approximately 33 joints.
22. **Plug #6, Surface - 223' (Surface Shoe, 173')**: Mix approximately 42 sxs of cement. Spot the surface plug to cover a minimum of 223' to surface and top off as necessary. 23. ND BOP and cut off wellhead below surface casing flange per regulation. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Enduring Resources Plug & Abandon Procedure

July 3, 2018

Well: Blanco 4
Location: 1090' FSL & 990' FWL
Sec,T, R: Sec. 12, T27N, R9W Unit M
Cnty/State: San Juan, New Mexico
Lat/Long: 36.585441-107.745689

API: 30-045-06605
Field: Blanco Mesaverde
Elevation: GL: 5989'
By: Aztec Well Servicing

WellView

ERC - Current WBD

Well Name: Blanco 4

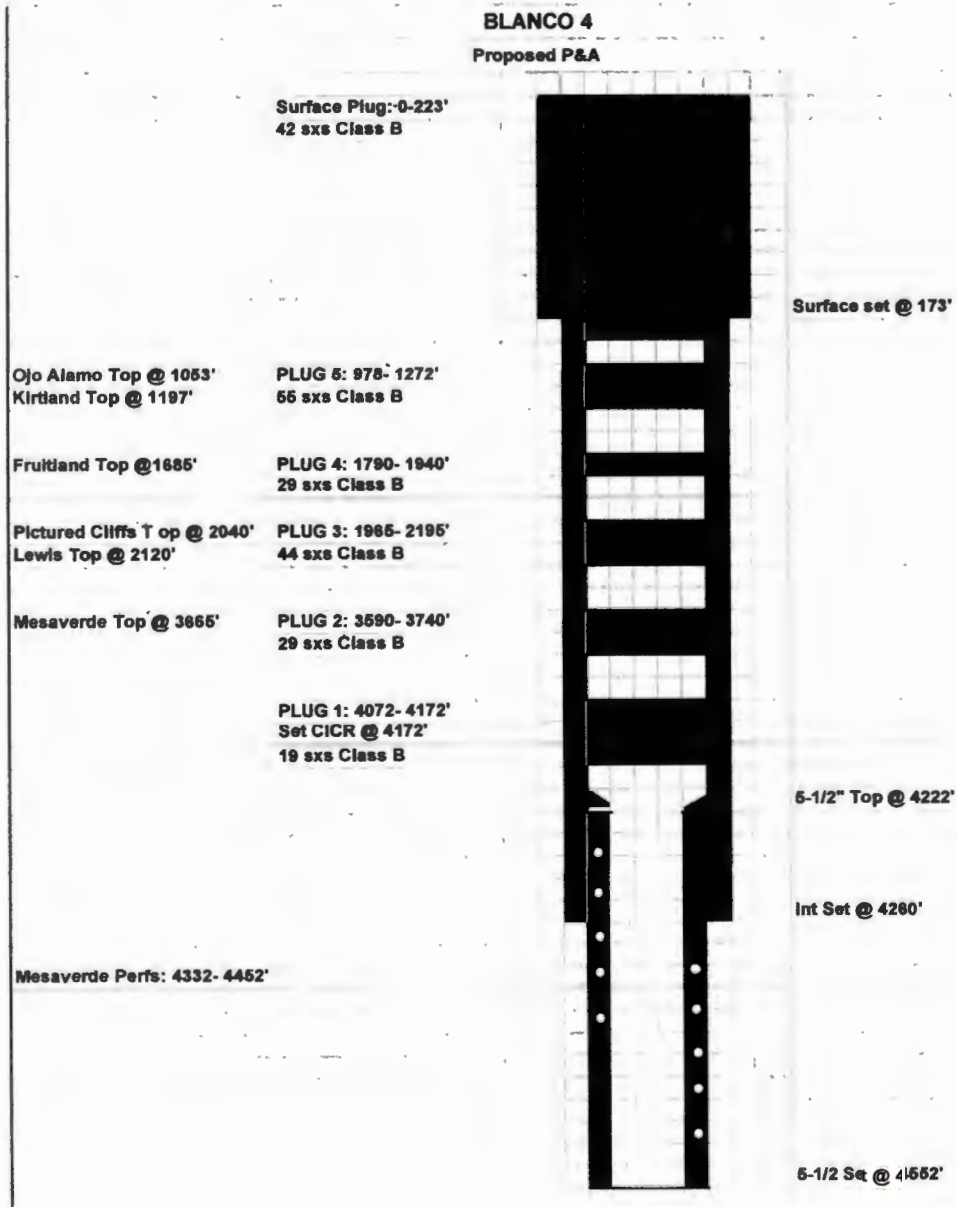
APLID# 30-045-06605	GeoBase Layer Location to 300.000, Box 10, "Box 700, Box 800"	Field Name Blanco	License #	State/Province New Mexico	Well Configuration Type
Casing ID Elevation (ft): 5,698.00		Start Date 10/5/1980 00:00	Reg Process Date		

Depth (ft): 81983018 12:59:40 PM		Casing Strings						
Vertical schematic (actual)		Cas ID	OD (in)	Wall (in)	Cas ID	Top Thread	Top (ft)	Bot Depth (ft)
		9 5/8 in casing						173.0
		7 in casing						4280.0
		5 1/2 in casing						4552.0
		Cement						
		Description		Cement				
		Surface Casing Cement						
		Description		Cement				
		Intermediate Casing Cement						
		Description		Cement				
		Liner Cement						
		Perforations						
Date	Top (ft)	Bot (ft)	Non Plug (ft)	Start Date (months)	End Date (months)			
10/17/1980	4,332.0	4,354.0						
10/17/1980	4,372.0	4,380.0						
10/17/1980	4,388.0	4,388.0						
10/17/1980	4,406.0	4,418.0						
10/17/1980	4,442.0	4,452.0						
		Tubing Strings						
Tubing Description	From Date						Bot Depth (ft)	
2 3/8 in tubing	10/18/1980						4,504.0	
Jt	Item Desc	OD (in)	Len (ft)	Top (ft)	Bot (ft)	Grade	Wt (lb/ft)	
14	Tubing	2 3/8	4,486.0	0		J-55	4.70	
3								
		Rod Strings						
Rod Description	Item Desc						Bot Depth (ft)	
Jt	Item Desc	OD (in)	Len (ft)	Top (ft)	Bot (ft)			

Enduring Resources
Plug & Abandon Procedure

July 3, 2018

Well:	Blanco 4	API:	30-045-06605
Location:	1090' FSL & 990' FWL	Field:	Blanco Mesaverde
Sec,T, R:	Sec. 12, T27N, R9W Unit M	Elevation:	GL: 5989'
Cnty/State:	San Juan, New Mexico	By:	Aztec Well Servicing
Lat/Long:	36.585441-107.745689		



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: Blanco 4

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. The following modifications to your plugging program are to be made:
 - a) Set Plug #4 (1783 – 1683) ft. to cover the Fruitland top. BLM picks top of Fruitland at 1733 ft.

Operator must run a CBL to verify cement top. Submit electronic copy of the log for verification to the following addresses: jwsavage@blm.gov Brandon.Powell@state.nm.us

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.