

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: 9/10/2018  
Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-06779-00-00	FEDERAL 3 S COM	001	ENDURING RESOURCES, LLC	G	A	San Juan	F	M	3	27	N	12	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 a Chacra plug: 2000'-1900'
- Perform a CBL and submit it to the agencies for review and approval prior to cementing
  - As a alternative to a CBL Enduring can provide information showing the first stage of the production casing cement circulated.



\_\_\_\_\_  
NMOCD Approved by Signature

10/10/2018  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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.**

SEP 10 2018

5. Lease Serial No. NMNM03151  
6. If Indian, Allottee or Tribe Name

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

Farmington Field Office  
Bureau of Land Management

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator ENDURING RESOURCES IV, LLC

3a. Address 332 ROAD 3100  
AZTEC, NM 87410

3b. Phone No. (include area code)  
(505) 636-9722

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
790 FSL, 790 FWL S 3, T 27N, R 12W

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

8. Well Name and No. FEDERAL 3 S COM 1

9. API Well No. 30-045-06779

10. Field and Pool or Exploratory Area  
BASIN DAKOTA

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 FEDERAL 3S COM 1 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:

NMOCB

OCT 03 2018

DISTRICT III

**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**

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

Title REGULATORY SPECIALIST

Signature *April E Pohl*

Date 9/10/18

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by *[Signature]*

Title PE

Office FFO

Date 10/1/18

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.

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.

(Instructions on page 2)

NMOCB <sup>BP</sup> <sub>PN</sub>

FEDERAL 3S COM 1PA PROCEDURE

1. MIRU well servicing rig and cement equipment.
2. ND WH, NU BOPE, RU rig floor and 2-3/8" handling tools.
3. LD 2-3/8" production string.
4. PU 4-1/2" casing scraper and 2-3/8" workstring to 6040'.
5. TOOH with casing scraper.
6. TIH with CICR and set @ 6011'.
7. Pressure test tubing to 1000 psi. Sting out of CICR and roll well then pressure test casing to 500 psi. WOC to be determined after pressure test.
8. **Plug #1, 5911' - 6011' (Dakota Top: 5990', Perfs: 6061' - 6122')**: Mix & pump 8 sxs of Class B cement (or equivalent) on top of CIBP to plug off Dakota perfs. Circulate hole clean.
9. LD tubing to 5129'.
10. **Plug #2, 4979' - 5129' (Gallup Top: 5054')**: Spot balanced plug using 12 sxs Class B cement to cover Gallup top. PUH and reverse circulate.
11. During WOC TOOH and LD setting tool. TIH open ended. Tag plug if necessary to confirm top of cement. Re- spot if necessary.
12. LD tubing to 4290'.
13. **Plug #3, 4140' - 4290 (Mancos Top: 4215')**: Spot balanced plug using 12 sxs Class B cement to cover Mancos top. PUH and reverse circulate tubing clean. WOC. TIH to confirm top of plug. Re- spot if necessary.
14. LD tubing to 2422'.
15. **Plug #4, 2272' - 2422' (Mesaverde Top: 2347')**: Spot balanced plug using 12 sxs Class B cement to cover Mesaverde top. PUH and reverse circulate tubing clean. WOC. TIH to confirm top of plug. Re- spot if necessary.
16. LD tubing to 1523'.
17. **Plug #5, 1373' - 1523' (Pictured Cliffs Top: 1448')**: Spot balanced plug using 12 sxs Class B cement to cover Pictured Cliffs top. PUH and reverse circulate tubing clean. WOC. TIH to confirm top of plug. Re- spot if necessary.
18. LD tubing to 382'.
19. **Plug #6, Surface - 382' (Surface Shoe & Ojo Alamo Top, 332'/ 300')**: Mix approximately 30 sxs of cement. Spot the surface plug to cover a minimum of 382' to surface and top off as necessary. Shut in and WOC.
20. 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.

# THE AZTEC WELL FAMILY

Family-owned. Founded in 1963 with Aztec Well Servicing Co.



## Enduring Resources Plug & Abandon Procedure

July 28, 2018

<b>Well:</b>	Federal 3S Com 1	<b>API:</b>	30-045-06779
<b>Location:</b>	790' FSL & 790' FWL	<b>Field:</b>	Basin Dakota
<b>Sec,T, R:</b>	Sec. 3, 27N, 12W	<b>Elevation:</b>	GL: 5843'
<b>Cnty/State:</b>	San Juan, New Mexico	<b>By:</b>	Aztec Well Servicing
<b>Lat/Long:</b>	36.5991135,-108.1053238		

### Objective:

Permanently plug & abandon the well from 6187' 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.

### Notes:

Well has 2-3/8" tubing to approximately 6044'.

### Procedure:

1. MIRU well servicing rig and cement equipment.
2. ND WH, NU BOPE, RU rig floor and 2-3/8" handling tools.
3. LD 2-3/8" production string.
4. PU 4-1/2" casing scraper and 2-3/8" workstring to 6040'.
5. TOOH with casing scraper.
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NMOCD

OCT 03 2018

DISTRICT III



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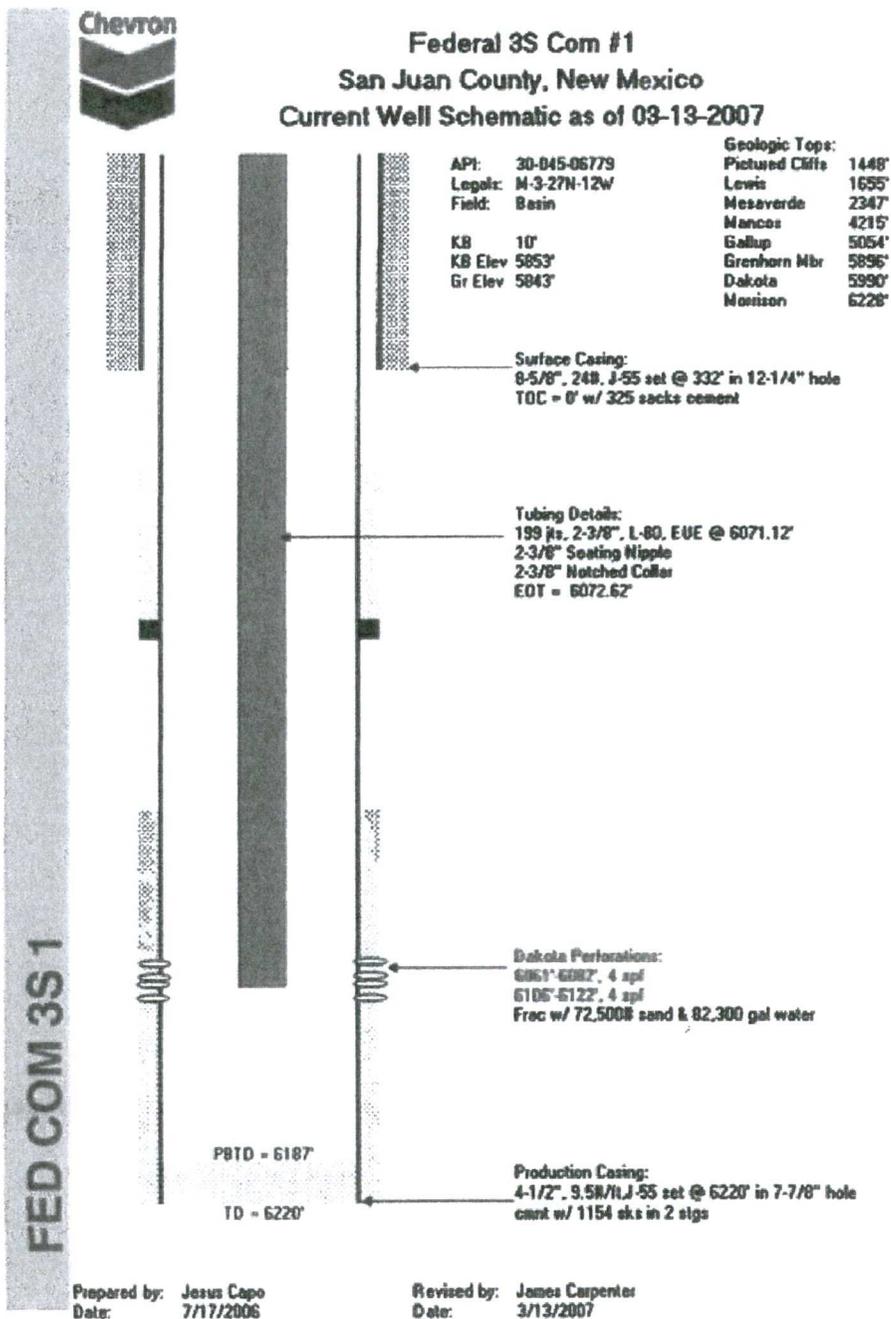
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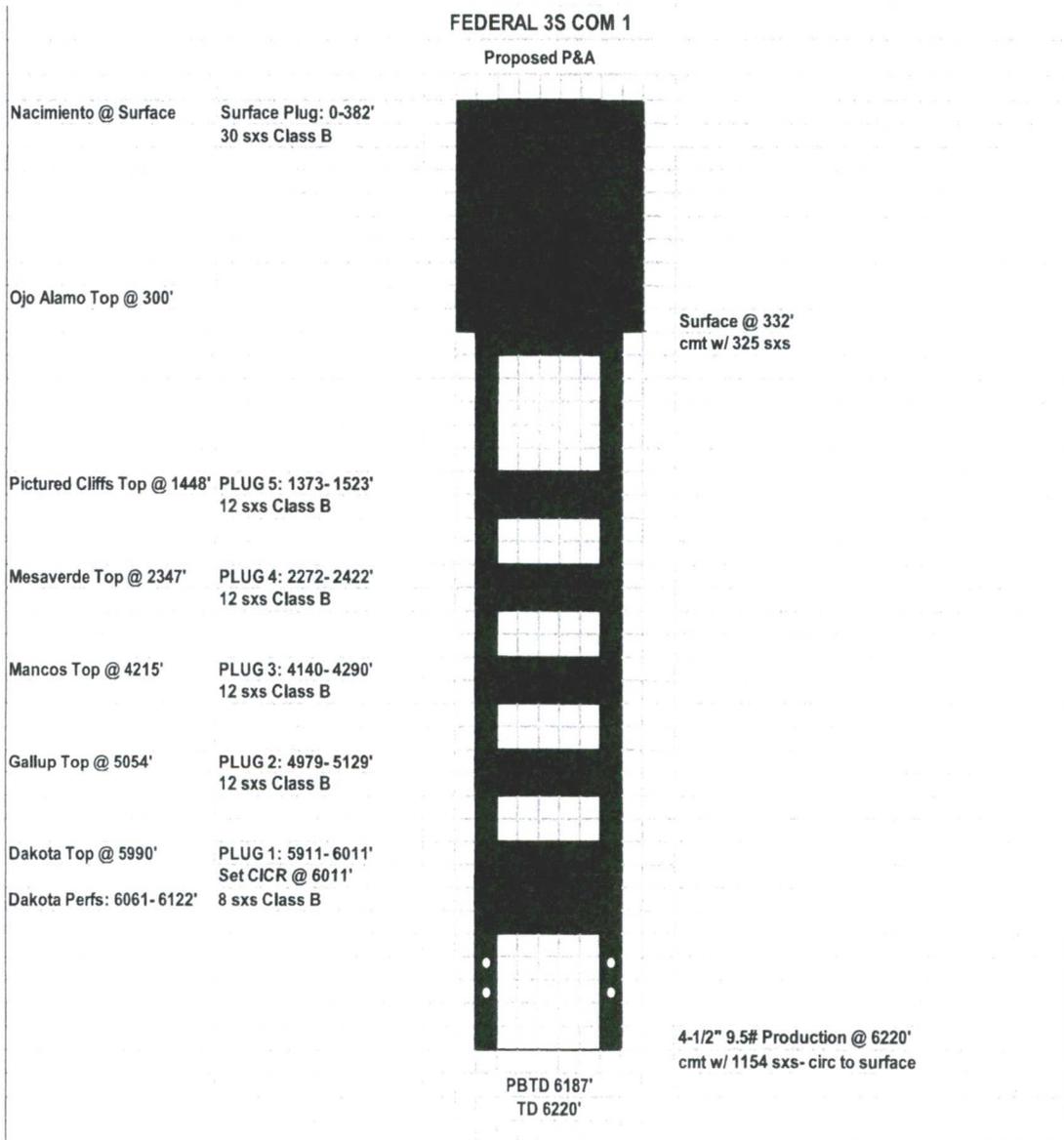
© 2015 Chevron



**Enduring Resources  
Plug & Abandon Procedure  
July 28, 2018**

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**Location:** 790' FSL & 790' FWL  
**Sec,T, R:** Sec. 3, 27N, 12W  
**Cnty/State:** San Juan, New Mexico  
**Lat/Long:** 36.5991135,-108.1053238

**API:** 30-045-06779  
**Field:** Basin Dakota  
**Elevation:** GL: 5843'  
**By:** Aztec Well Servicing



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: Federal 3S Com 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. The following modifications to your plugging program are to be made:
  - a) Add a cement plug (1220 – 1120) ft. to cover the Fruitland top. BLM picks top of Fruitland at 1170 ft.

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.