

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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. **I149IND8464**
6. If Indian, Allottee or Tribe Name
EASTERN NAVAJO

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **ENDURING RESOURCES LLC**

3a. Address **1050 17TH STREET SUITE 2500, DENVER, CO** 3b. Phone No. (include area code)
(303) 573-1222

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 11/T27N/R9W/NMP

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

8. Well Name and No. **NELLIE PLATERO/5**

9. API Well No. **3004513040**

10. Field and Pool or Exploratory Area
BLANCO MESAVERDE/BLANCO MESAVERDE

11. Country or Parish, State
SAN JUAN/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	
	<input type="checkbox"/> Change Plans	<input 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 recomplate 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 perfonned 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 detennined that the site is ready for final inspection.)

ENDURING RESOURCES REQUESTS TO PLUG AND ABANDON THE ABOVE MENTIONED WELL. PLUGGING PROCEDURE, WELLBORE DIAGRAM, AND RECLAMATION PLAN ARE ATTACHED.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
HEATHER HUNTINGTON / Ph: (505) 636-9751

Title **Permitting Technician**

Signature _____ Date **05/03/2023**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
KENNETH G RENNICK / Ph: (505) 564-7742 / Approved

Title **Petroleum Engineer** Date **05/04/2023**

Office **FARMINGTON**

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)

ENDURING RESOURCES IV, LLC

PLUG AND ABANDONMENT PROCEDURE

WELL: Nellie Platero 5

API: 30-045-13040

ER WELL: NM01919.01

LOCATION: 900' FSL & 1770' FWL, Sec.11, 27N, 9W

COUNTY: San Juan

STATE: NM

AFE:

RIVING DIRECTIONS: [From the intersection of US HWY 550 & US HWY 64 in Bloomfield, NM:](#)

From the intersection of US HWY 550 & US HWY 64 in Bloomfield, NM: South on US HWY 550 for ±42.7 miles access road; Left (North) thru cattle guard onto County Road 7997 for 2.7 miles to T, Right (NorthEast) for .5 mi on access road to T, Left (North) to Anderson 1 location.

- NOTES:**
- 1) All cement volumes assume 100% excess volume outside pipe and 50' excess inside pipe. Cement will be Type III (14.6 ppg and 1.39 cuft/sx), or similar. A stabilizing wellbore fluid with density of 8.3 ppg will be sufficient to balance pressures encountered in the well.
 - 2) Any waste fluids circulated from the well to surface, including excess cement, will be stored in steel tanks and then disposed of at an approved disposal facility.
 - 3) Notify BLM and NMOCD prior to beginning P&A well-work operations. Comply with all BLM and NMOCD regulations. Obtain approval from BLM and NMOCD prior to making any changes or adjustments to the approved procedure.
 - 4) Plugs will be adjusted as necessary depending on the results of of any RCBLs and pressure tests. All logs and pressure test results will be submitted / reported to Regulatory Agencies.
 - 5) Wait on cement, tag, and spot additional cement plugs as necessary depending on results of casing pressure tests.
 - 6) Hold safety meetings daily (minimum) with all personnel on location. Record tubing, casing, and bradenhead pressures daily on reports.
 - 7) Test and install rig anchors, if necessary (if rig does not have a base-beam).

- PROCEDURE:**
- 1) MIRU daylight pulling unit and associated equipment.
 - 2) Blow down well. Kill well, if necessary (well is currently in TA status; should not require blowing down or killing).
 - 3) ND WH. NU BOPE.
 - 4) MU 3-7/8" bit on 2-3/8" work-string. TIH to top of perforations @ 5,326' . POH. RU wireline, Run CBL from PBSD to surface.
 - 5) PU and TIH with 4-1/2" cast iron cement retainer (CICR) on 2-3/8" work-string to 4,260'. Set CICR, sting out, load annulus. Sting in and establish injection rate minimum of 2 bpm
 - 6) **PLUG #1: POINT LOOKOUT PERFORATIONS**
TIH with 4-1/2" CR on 2-3/8" work-string. Pump cement. TOOH.

Perf holes: 4,310' to 4,376'
 4-1/2" CR: 4,260
 Plug Coverage: 4,260 to 4,376
 Cement Volume: 11 sx *below CR* 4 sx *above CR*

15 sx TOTAL

7) PLUG #2: CLIFF HOUSE TOP

Spot balanced plug down work-string. TOOH.

Plug Coverage: 3,255' to 3,355'
 Cement Volume: 10 sx

10 sx TOTAL

8) PLUG #3: CHACRA TOP

RU wireline, perforate 4 SPF @ 1,600' MD. TIH with 4-1/2" CR on 2-3/8" work-string. Sting out, press test to 500 psi. Sting in, attempt to establish circulation. Pump cement. TOOH.

Perf holes: 3,000'
 Plug Coverage: 2,900' to 3,000'
 Cement Volume: 43 sx *below CR* 4 sx *above CR*

47 sx TOTAL

9) PLUG #4: PICTURED CLIFFS TOP to DV tool

Spot balanced plug down work-string. TOOH.

Plug Coverage: 1,977' to 2,130'
 Cement Volume: 14 sx

14 sx TOTAL

9) PLUG #5: FRUITLAND, KIRTLAND, OJO ALAMO TOP

RU wireline, perforate 4 SPF @ 1,600' MD. TIH with 4-1/2" CR on 2-3/8" work-string. Sting out, press test to 500 psi. Sting in, attempt to establish circulation. Pump cement. TOOH.

Perf holes: 1,600'
 Plug Coverage: 1,083' to 1,600'
 Cement Volume: 206 sx *below CR* 4 sx *above CR*

210 sx TOTAL

10) PLUG #6: NACIMIENTO TOP, SURFACE CASING SHOE, SURFACE

Pressure test 500 psi. RU wireline, perforate 4 SPF @ 249' MD. Establish circulation. Pump cement.

Plug Coverage: 0' to 249'
 Cement Volume: 20 sx *Inside csg*
 89 sx *Outside csg*

109 sx TOTAL

11) ND BOPE. Cut off casing and wellhead (minimum of 3' below finished grade). Top off annulus and casing with cement, if required. RDMO cement equipment. Install P&A marker to comply with BLM and NMOCD regulations. RDMO.

12) Complete surface reclamation as per approved reclamation plan.

Created by: G Olson 2/22/2023

OPERATOR: **ENDURING RESOURCES**
 WELL: **Nellie Platero 5**
 FIELD: **San Juan**
 API #: **30-045-13040**
 ER WELL #: **NM01919.01**
 WI/NRI: **100.00% / 72.7900%**

CNTY: **San Juan** FTG: **900' FSL & 1770' FWL**
 STATE: **NM** Q-Q: **SESW**
 SPUD: **05/09/61** SEC.: **11**
 COMP: **11/01/87** TWS: **27N**
 STATUS: **WSI** RGE: **9W**
 WBD DATE: **08/24/22** BY: **GAO**

PROPOSED P&A WELLBORE DIAGRAM

KBE: **6781**
 KB: **13**
 GLE: **6768**
 TOC @ **0' 9/19/1987**

12-1/4" Hole
 8-5/8" 24.0# csg @ 199'
 177 ft3 Class B Cmt w/2%CaCl Cmt to surf

FORMATION TOPS

Nacimiento @	0
Ojo Alamo @	1133
Kirtland @	1243
Fruitland @	1633
Pictured Cliffs @	2027
Lewis @	2189
Chacra @	2950
Cliff House @	3305
Menefee	3600
Point Lookout @	4260
	0

2nd Stage TOC 1620

DV Stage tool 2130

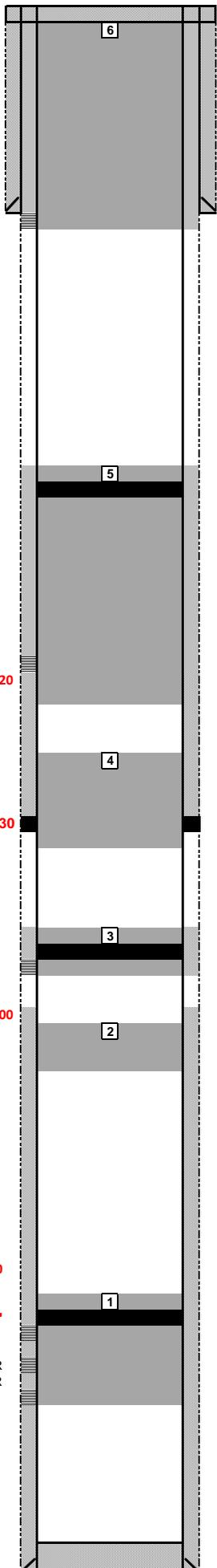
1st Stage TOC Lead 3200

1st Stage TOC Tail 0

CICR @ 4,260'

Sqz'd 60 sx cmt (1.43 cuft/sx) thru CICR
 Spot 0.5 BBLs cmt (1.43 cuft/sx) on top of CICR

ORIG PBTD @	4476'
4-1/2" 11.6# Csg @	4502'
TD @	4505'
DV Tool @	2130'
	0
	0



CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)	ID (in)
12 1/4	8 5/8	32.00	K55	0	199	8.097
7 7/8	4 1/2	10.50	J55	0	4502	4.000

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF
GALLUP	5326	5366	1
GALLUP	5446	5557	1

PLUG #6: NACIMIENTO TOP, SURFACE CASING SHOE, SURFACE

PERF HOLES	249 #
Nacimiento @	0
CEMENT	0.0' - 249' 299' interval (including 50' excess)
PLUG VOLUME	20 sx Inside csg 100% excess required (outside casing)
PLUG VOLUME	89 Outside csg 50' feet of excess required (inside casing)

PLUG #5: FRUITLAND, KIRTLAND, OJO ALAMO TOP

PERF HOLES	1600
4-1/2" CR	1083
CEMENT	1083' - 1600' 567' interval (including 50' excess)
PLUG VOLUME	206 sx THRU CICR 100% excess required (outside casing)
PLUG VOLUME	4 sx ABOVE CICR 50' feet of excess required (inside casing)

PLUG #4: PICTURED CLIFFS TOP TO DV tool BALANCED PLUG

Pictured Cliffs @	2027
CEMENT	1977' - 2130' 203' interval (including 50' excess)
PLUG VOLUME	14 sx 50' feet of excess required (inside casing)

PLUG #3: CHACRA TOP

PERF HOLES	3000
4-1/2" CR	2900
CEMENT	2900' - 3000' 150' interval (including 50' excess)
PLUG VOLUME	43 sx THRU CICR 100% excess required (outside casing)
PLUG VOLUME	4 sx ABOVE CICR 50' feet of excess required (inside casing)

PLUG #2: CLIFF HOUSE TOP

Cliff House @	3355
CEMENT	3255' - 3355' 150' interval (including 50' excess)
PLUG VOLUME	10 sx 50' feet of excess required (inside casing)

PLUG #1: POINT LOOKOUT PERFORATIONS

#PERF HOLES	67
4-1/2" CR	4260
CEMENT	4260' - 4376' 166' interval (including 50' excess)
PLUG VOLUME	11 sx THRU CICR 100% excess required (outside casing)
PLUG VOLUME	4 sx ABOVE CICR 50' feet of excess required (inside casing)

PROPOSED CEMENT PLUGS ASSUME TOC AS REPORTED BASED ON TS DURING DRILLING. PLUGS WILL BE ADJUSTED AS REQUIRED BASED ON RESULTS OF CBL AND/OR PRESSURE TESTS

CEMENT & CASING INFORMATION

- ALL PLUGS ASSUME TYPE III NEAT CEMENT	
- STABILIZING WELLBORE FLUID IS 8.3 PPG, SUFFICIENT TO BALANCE ALL WELLBORE PRESSURES, UNLESS NOTED OTHERWISE IN PROCEDURE	
CEMENT DENSITY:	14.60 PPG
CEMENT YIELD:	1.39 CUFT / SX
MIX WATER REQUIRED:	6.69 GAL / SX
4-1/2" CSG CAPACITY:	0.0895 CUFT / FT
4-1/2" CSG x 7-7/8" HOLE CAPACITY:	0.2278 CUFT / FT
4-1/2" CSG x 8-5/8" CSG CAPACITY:	0.2471 CUFT / FT

**BLM FLUID MINERALS
P&A Geologic Report**

Date Completed: 5/4/2023

Well No. Nellie Platero #005 (API# 30-045-13040)	Location	900	FSL	&	1770	FWL
Lease No. I149IND8464	Sec. 11	T27N			R09W	
Operator Enduring Resources, LLC	County	San Juan		State	New Mexico	
Total Depth 4505'	PBTD 4476'	Formation Mesaverde (Point Lookout)				
Elevation (GL)		Elevation (KB) 6837'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	1133	Surface/possible freshwater sands
Ojo Alamo Ss			1133	1243	Aquifer (possible freshwater)
Kirtland Shale			1243	1633	Possible gas
Fruitland			1633	2027	Coal/Gas/Water
Pictured Cliffs Ss			2027	2189	Probable Gas
Lewis Shale			2189	2950	
Chacra (lower)			2950	3305	Probable Gas
Cliff House Ss			3305	3600	Gas
Menefee			3600	4260	Gas
Point Lookout Ss			4260	PBTD	O&G
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- Sundry ID: 2729046
- Bring the bottom of Plug #5 (Fruitland, Kirtland, Ojo Alamo) down to 1683' to cover 50' below the Fruitland formation top (1633').
- Mesaverde (Point Lookout) perms 4310' – 4376'.

Reference Well:

1) **Formation Tops**
Same

Prepared by: Chris Wenman

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

AFMSS 2 Sundry ID 2729046

Attachment to notice of Intention to Abandon

Well: Nellie Platero 5

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. Bring the bottom of Plug #5 (Fruitland, Kirtland, Ojo Alamo) down to 1683' to cover 50' below the Fruitland formation top (1633').
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (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 5/4/2023

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

- 1.0 The approved plugging plans may contain variances from the following minimum general requirements.
- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.
 - 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured. (densometer/scales)
- 3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.
- 3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.
- 4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
- 4.1 The cement shall be as specified in the approved plugging plan.
 - 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.3 Surface plugs may be no less than 50' in length.
 - 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
 - 4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

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

COMMENTS

Action 213911

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 213911
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
john.harrison	Accepted for record - NMOCD JRH 5/17/23 BLM approved P&A 5/4/23	5/17/2023

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 213911

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 213911
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	5/17/2023