

State of New Mexico  
Energy, Minerals and Natural Resources Department

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: 4/4/2019

Well information:

**30-039-24223 DONOHUE #003**

**SOUTHLAND ROYALTY COMPANY 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.
- Extend Plug #2 from 1780'-1425' to cover the Ojo Alamo top. OCD Ojo Alamo pick @ 1475'
- Add a plug from 725'-625' to cover the Nacimiento top. OCD Nacimiento pick @ 675'.

NMOCD Approved by Signature

4/12/19

Date

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.  
NMSF079973

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
DONOHUE 3

2. Name of Operator

SOUTHLAND ROYALTY COMPANY LLC

Contact: ERIC KITTINGER

E-Mail: EKITTINGER@MSPARTNERS.COM

9. API Well No.

30-039-24223

3a. Address

400 W 7TH ST  
FORT WORTH, TX 76102

3b. Phone No. (include area code)

Ph: 817-334-8302

10. Field and Pool or Exploratory Area  
FRUITLAND COAL

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

Sec 7 T25N R7W 2235FSL 1480FEL

11. County or Parish, State

RIO ARRIBA COUNTY, 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 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 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.

SRC requests approval to plug and abandon the Donohue #3.

Attached are the plugging proposal, WBDs, proposed Reclamation Plan and Noxious Weed Form.

**SUBMIT CBL TO THE  
AGENCIES FOR REVIEW AND  
APPROVAL**DISTRICT III  
APR 11 2019  
NMCD

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #460290 verified by the BLM Well Information System  
For SOUTHLAND ROYALTY COMPANY LLC, sent to the Farmington  
Committed to AFMSS for processing by ALBERTA WETHINGTON on 04/08/2019 ( )

Name (Printed/Typed) CONNIE BLAYLOCK

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/04/2019

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

Approved By <u>Dave Mankiewicz</u>	Title <u>AFM</u>	Date <u>4/9/19</u>
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 <u>FFG</u>	

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)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

NMCD

### **Donohue #3 P&A PLANNED PROCEDURE**

1. MIRU.
2. Run a casing scraper to 2,120'
3. Set CIBP @ 2,100'
4. Spot 12 sx Class B Cement on top of plug. (est'd TOC @ 1,950). WOC. Tag TOC.
5. Spot balanced cement plug from 1,600' – 1,780' with 15 sx Class B cement. WOC. Tag TOC.
6. Spot balanced cement plug from 200' to surface. Ensure cement at surface on all strings of casing.
7. Cut off wellhead below surface casing flange. Install P&A marker.



Southland Royalty Company

**Donahue #3**  
**County: Rio Arriba**

**TD – 2379 ft MD**

12 1/4" hole to 144' KB.  
Surface Csg: 3 jts 8 5/8" 17#/ft H-40 ST&C  
Setting Depth: 144 ft KB

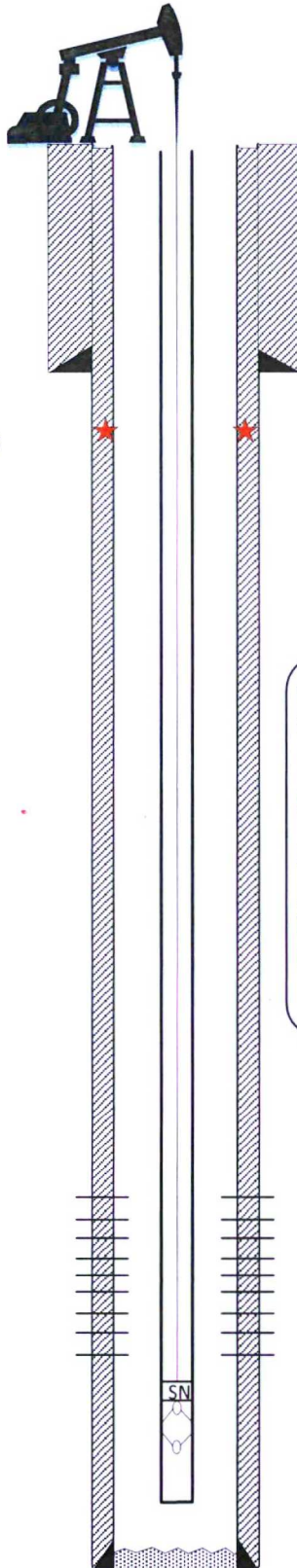
Cement  
145sx Class B (173 ft³)  
Circulated 8 bbls cement to surface.

6 3/4" hole to 2368' KB.  
Production Csg: 75 jts 4.50" 10.5#/ft J-55 ST&C  
Setting Depth: 2380' ft KB

Cement:  
Lead: 200sx Class B  
Tail: 100sx Class B  
Circulated to surface.

**Formation depth:**

Ojo Alamo: 1652 ft  
Kirtland: 1730 ft  
Fruitland: 2046 ft  
Pictured Cliffs: 2229 ft



**PBTD: 2363 ft MD**

Prepared by: Tart  
Date: 12/21/2017

KB = ft  
GR = 6487 ft  
API# 30-039-24223

Spud Date: 07/19/1988  
Well First Delivered:

Fruitland Coal: 2145 ft

Casing Squeeze in 2009: Isolated leak between 290' - 383'. Pumped 275 sx of Class G out casing and up through bradenhead. Circ 5 bbls to sfc.

**Prod Tbg 01/12/2015:**

2 3/8" 4.7# J-55 8rd EUE tbg

16' MA, 8'PS, SN, 13 NEW JTS, 58JTS, 10'SUB

EOT=2297.63' ; SN=2273.6'

**Rods/Pump 05/29/2015:**

.2"X1 1/4"X6'X8'X11' RHAC-Z PUMP, 2-3/4" RODS, 87-5/8" RODS, 8'-8'-2' 3/4" PONY RODS, AND 16'PR W/ 8' LINER. SET PUMP

**Fruitland Coal Perfs:**

2145', 2176', 2188', 2226', 2230',  
2232', 2258', 2267', 2268'.

**FC Frac:**

2145'-2268'  
1,200# Sand  
28,854 Gal fluid





Southland Royalty Company

## PROPOSED P&A

GR = 6487 ft  
API# 30-039-24223

Spud Date: 07/19/1988

### Donahue #3

County: Rio Arriba

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12 1/4" hole to 144' KB.  
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Setting Depth: 144 ft KB

Cement  
145sx Class B (173 ft<sup>3</sup>)  
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6 3/4" hole to 2368' KB.  
Production Csg: 75 jts 4.50" 10.5#/ft J-55 ST&C  
Setting Depth: 2380' ft KB

Cement:  
Lead: 200sx Class B  
Tail: 100sx Class B  
Circulated to surface.

Formation depth:

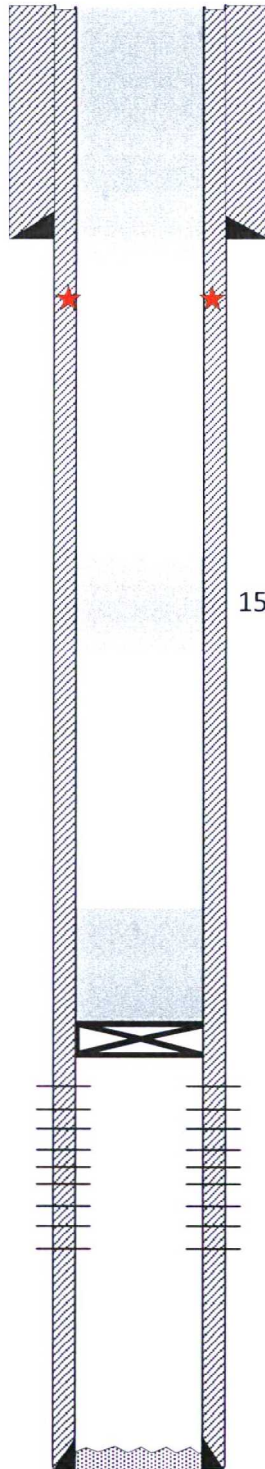
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2232', 2258', 2267', 2268'.

EC Frac:  
2145'-2268'  
1,200# Sand  
28,854 Gal fluid

Casing Squeeze in 2009:  
Isolated leak between 290' -  
383'. Pumped 275 sx of Class  
G out casing and up through  
bradenhead. Circ 5 bbls to  
sfc.

Fruitland Coal: 2145 ft



### PLUG 3:

16 sx Cement Balanced Plug  
from 200' to Surface.

### PLUG 2:

15 sx Cement Balanced Plug from  
1,600' – 1,780'

### PLUG 1:

Set CIBP @ 2,100'  
Top w/ 12 sx Cmt.  
TOC @ 1,950'

PBTD: 2363 ft MD

**P&A RECLAMATION PLAN**  
**Donohue #3**

**General Notes:**

- Southland Royalty will comply with the requirements in accordance with the approved Sundry Notice associated with this submittal.
- Southland Royalty will notify the BLM at least 48 hours prior to commencing reclamation earthwork.
- Southland Royalty will notify the BLM at least 48 hours prior to commencing with seeding application.
- Underground production piping on the well site will be removed or abandoned-in-place.
- If present, all Southland Royalty power poles, risers, rectifiers, solar panels, and radio equipment will be removed. Cathodic groundbeds will be plugged and abandoned.
- Rig anchors found on site will be removed.
- Disturbance will be limited to the well site footprint and access road boundaries.
- Surface equipment and trash, if any, will be removed.
- Gravel will be used as fill material at the base of the cut slope.
- The P&A marker will be permanent and comply with NMOCD regulations.

**Well Site Reclamation:**

- Mature healthy vegetation on the site perimeter will be left to the extent practical.
- Fill material on the location will be used to reclaim the site to near original and natural topography as is practical. A bulldozer/trackhoe will be used to push/pull in the location edges to remove features to more closely approximate the natural contours.
- Natural drainage patterns will be established when possible and practical.
- The well pad and surrounding area are hilly and consists of sandy clay loam. Stormwater and erosion control BMPs will be built as discussed at the onsite.
- All disturbed areas will be seeded in accordance with the FFO Bare Soil Reclamation Procedure C.
- The pad will be ripped, scarified, or disked to a depth adequate for establishing a suitable root zone.
- Prior to seeding, the disturbed areas will be left with a rough surface to facilitate moisture and seed retention.
- A barrier will be placed across the reclaimed access road to prevent future access to the reclaimed well site.
- Offsite Enterprise meter facilities will be removed. Mainline tie will be capped at valve and barrier installed.

### **Access Road Reclamation:**

- Approximately a quarter mile of access road will be reclaimed using the same method as described above.
- The road will be brought to grade utilizing fill and material from erosion control traps near the wash crossing.

### **Revegetation:**

The planned initial seed mixture and application rates for the Sagebrush/Grass Community identified during the site visit will be as follows. The seed application rates may be adjusted according to various methods of application.

Species	Select		Lbs/acre (PLS)*
Fourwing Saltbush	X	Pick two out of three	2.0
Antelope Bitterbrush			2.0
Winterfat	X		2.0
Indian Ricegrass	X	Pick three out of five	4.0
Blue Grama	X		2.0
Galleta			3.0
Sand Dropseed			0.5
Western Wheatgrass	X		4.0
Bottle Brush Squartail	X	Pick one out of two	3.0
Siberian Wheatgrass			3.0
Small Burnet		Pick one out of three	2.0
Rocky Mountain Bee Plant			0.25
Blue Flax	X		0.25
TOTAL			17.25

\* Minimum if drill seeded. Double this rate if broadcast or hydroseeded.

- Seeding will be broadcast so the rates will be doubled and a rake or harrow will be used to incorporate the seed into the soil.
- Seed mixtures will be certified weed-free and the seeding records (bag labels) or other official documentation will be available to the BLM prior to seeding, upon request.
- Seeding will occur as soon as reasonably possible following completion of earthwork activities and timed for successful germination.
- The need for soil amendments is not expected or proposed.

**Weed Management:**

- Southland Royalty's objective is to implement an integrated weed management program to control weed populations and establish desirable vegetation.
- No noxious weeds were noted during the onsite visit.
- If needed, weed management and control will be performed in an environmental conscious manner by a properly licensed contractor and within compliance of federal and state laws and regulations.

**Monitoring:**

- Southland Royalty will submit a Sundry Notice informing the BLM the earthwork and seeding are completed and requesting a joint inspection of the site.
- After approval of the earthwork and seeding, the BLM in collaboration with Southland Royalty will establish a line point intercept transect.
- After establishment of adequate vegetation, Southland Royalty will read the line point intercept transect and take photos of the site. This information will be submitted with a Sundry Notice (FAN) requesting approval of the reclaimed location.
- Any fencing installed to assist with re-vegetation will be removed once there is an agreement from the BLM that the vegetation percent cover standard has been obtained.

**Attachments:**

- Noxious Weed Form



## Onsite Noxious Weed Form

If noxious weeds are found during the onsite, fill out form and submit to FFO weed coordinator

Operator Southland Royalty Surveyor(s) Randy McKee

Well Name and Number Donohue #3 Date: 3/28/2019

Location: Township, Range, Section T: 25N R: 07W S: 07

Location of Project NAD 83 Decimal Degrees Lat: 36.41215 Long: -107.61038

### Class A Noxious Weed - Check Box if Found

<input type="checkbox"/>	Alfombrilla	<input type="checkbox"/>	Diffuse knapweed	<input type="checkbox"/>	Hydrilla	<input type="checkbox"/>	Purple starthistle	<input type="checkbox"/>	Yellow toadflax.
<input type="checkbox"/>	Black henbane	<input type="checkbox"/>	Dyer's woad	<input type="checkbox"/>	Leafy spurge	<input type="checkbox"/>	Ravenna grass	<input type="checkbox"/>	
<input type="checkbox"/>	Camelthorn	<input type="checkbox"/>	Eurasian watermilfoil	<input type="checkbox"/>	Oxeye daisy	<input type="checkbox"/>	Scotch thistle	<input type="checkbox"/>	
<input type="checkbox"/>	Canada thistle	<input type="checkbox"/>	Giant salvinia	<input type="checkbox"/>	Parrotfeather	<input type="checkbox"/>	Spotted knapweed	<input type="checkbox"/>	
<input type="checkbox"/>	Dalmatian toadflax	<input type="checkbox"/>	Hoary cress	<input type="checkbox"/>	Purple loosestrife	<input type="checkbox"/>	Yellow starthistle	<input type="checkbox"/>	

### Class B Noxious Weed-Check Box if Found

<input type="checkbox"/>	African rue	<input type="checkbox"/>	Perennial oenotherweed	<input type="checkbox"/>	Russian knapweed	<input type="checkbox"/>	Tree of heaven
<input type="checkbox"/>	Chicory	<input type="checkbox"/>	Musk thistle	<input type="checkbox"/>	Poison hemlock	<input type="checkbox"/>	
<input type="checkbox"/>	Halogeton	<input type="checkbox"/>	Malta starthistle	<input type="checkbox"/>	Teasel	<input type="checkbox"/>	

**Comments: No noxious weeds were observed.**

**FFO Representative:** 

sign and date

**Operator Representative** 

sign and date

3/28/2019