

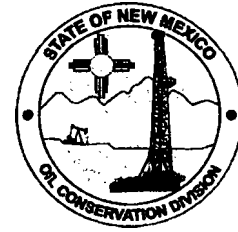
State of New Mexico
Energy, Minerals and Natural Resources Department

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:

30-045-21567 RIDDLE B #009

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 1678'-1300' to cover the Kirtland and Ojo Alamo tops. OCD Kirtland pick @ 1628' Ojo Alamo pick @ 1424'

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.
NMSF078200B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
RIDDLE B 9

2. Name of Operator

SOUTHLAND ROYALTY COMPANY LLC

Contact: ERIC KITTINGER

Email: EKITTINGER@MSPARTNERS.COM

9. API Well No.

30-045-21567

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
AZTEC PIC CLIFFS

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

Sec 27 T30N R10W 1180FNL 1125FEL

11. County or Parish, State

SAN JUAN 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 Riddle B 9.

Attached are the proposed procedure, WBDs, proposed Reclamation Plan, and Noxious Weed form.

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

| | |
|--|--------------------------|
| 14. I hereby certify that the foregoing is true and correct. | |
| Electronic Submission #460326 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>FFC</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 ****

NMOCD

P&A PLANNED PROCEDURE

Riddle B 9

1. MIRU.
2. Run a casing scraper to 2,800'
3. Set CIBP @ 2,760'
4. Spot 13 sx Class B Cement on top of plug. (est'd TOC @ 2,300). WOC. Tag TOC.
5. Perforate 3 holes @ 1,500'.
6. Set CICR @ 1,450'. Pump 61 sx Class B cmt into annulus, 2 sx cement underneath retainer, and spot 5 sx on top of retainer. (est'd TOC @ 1,300').
7. Perforate 3 holes @ 180'.
8. Pump 68 sx Class B Cement to fill annulus up through bradenhead and production casing string to surface. If unable to circulate, top off as needed.
9. Cut off wellhead below surface casing flange. Install P&A marker.



Southland Royalty Company

Riddle B 9
San Juan County, NM

TD – 2,943'; PBTD – 2,933'

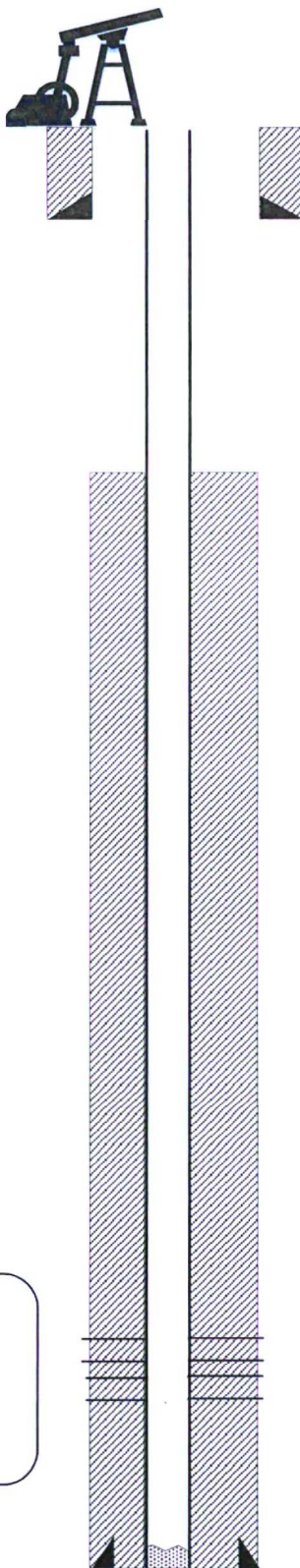
Surface Csg: 3 jts 8 5/8" 24#, J-55
Setting Depth: 128'

Cement
165 cu. Ft. Cement
Cmt circulated

Production Csg: 102 jts 2-7/8" 6.4# J-55
Setting Depth: 2,943'

Cement:
620 cu. Ft. cement
TOC @ 2,100' by TS

Current



Prepared by: D. Poindexter
Date: 10/24/2018

GL = 6,230'
API# 30-045-21567

Spud Date: 12/31/1974
Date Completed: 6/30/1975

Picture Cliffs Frac (1975):
2,810' – 2,860'
Frac'd w/ 35,000# 20/40 sand &
33,012 gallons water

Picture Cliffs Perfs (1975):
1 SPF
2,810'
2,816'
2,822'
2,854'
2,860'

PBTD: 2,933'



Southland Royalty Company

PROPOSED P&A

GL = 6,230'
API# 30-045-21567

Spud Date: 12/31/1974
Date Completed: 6/30/1975

Riddle B 9 San Juan County, NM

TD - 2,943'; PBTD - 2,933'

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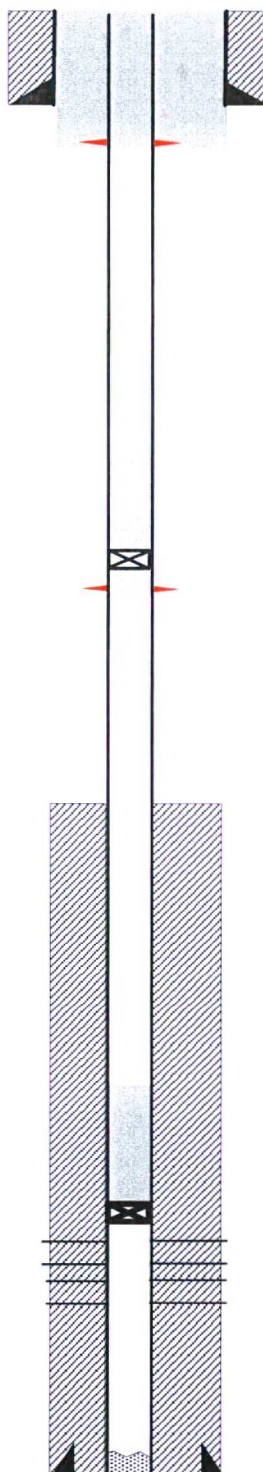
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Picture Cliffs Perfs (1975):
1 SPF
2,810'
2,816'
2,822'
2,854'
2,860'



PBTD: 2,933'

PLUG 3:

Perf 3 holes @ 180'
61 sx cement in casing annulus & 7 sx
cement inside 2-7/8" casing. Bring all
cement to surface.

PLUG 2:

Perf 3 holes @ 1,500'
CICR @ 1,450'
61 sx cement in annulus, 2sx
cement below retainer, 5 sx
cement on top of retainer.
TOC @ 1,300'

PLUG 1:

Set CIBP @ 2,760'
Top w/ 13 sx Cmt.
TOC @ 2,300'

P&A RECLAMATION PLAN
Riddle B #9

General Notes:

- Southland Royalty Company will comply with the requirements in accordance with the approved Sundry Notice associated with this submittal.
- Southland Royalty Company will notify the BLM at least 48 hours prior to commencing reclamation earthwork.
- Southland Royalty Company will notify the BLM at least 48 hours prior to commencing with seeding application.
- Production piping on the well site will be removed.
- If present, all Southland Royalty Company power poles, rectifiers, solar panels, and radio equipment will be removed. Cathodic ground beds 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.
- If present, gravel will be removed from the well pad surface. Gravel may be used as fill material at the base of the cut slope or on a nearby lease road as road-base.
- 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 dozer will be used to pull in the location edges to remove features to more closely approximate the natural contours.
- Existing drainage patterns will not be changed.
- The well pad and surrounding area are relatively flat. The need for stormwater and erosion control BMPs other than reseeding is not anticipated.
- 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 woven wire fence will be placed across the reclaimed access road to prevent future access to the reclaimed well site.

Access Road Reclamation:

- The associated road will be reclaimed using the same methods as described above.

Revegetation:

The planned initial seed mixture and application rates for the Badlands 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 four | 4.0 |
| Shadscale | X | | 2.0 |
| Winterfat | | | 2.0 |
| Morman Tea | | | 2.0 |
| Indian Ricegrass | X | Pick four out of seven | 5.0 |
| Alkali sacaton | X | | .25 |
| Bottlebrush squirreltail | | | 4.0 |
| Sand Dropseed | X | | .5 |
| Blue Grama | X | | 2.0 |
| Galleta | | | 4.0 |
| Siberian Wheatgrass | | | 3.0 |
| Small flower globemallow | X | Pick one out of two | .25 |
| Narrow Leaf Penstemon | | | .25 |
| TOTAL | | | 14.0 |

* Minimum if drill seeded. Double this rate if broadcast or hydro seeded.

- If seeding will be broadcast 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 Company 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 Company 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 Company will establish a line point intercept transect.
- After establishment of adequate vegetation, Southland Royalty Company 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 COMPANY Surveyor(s) RANDY MCKEE

Well Name and Number 21004E B #1 Date 3-28-19

Location: Township, Range, Section T 30N - R 10W - SEC 27

Location of Project NAD 83 Decimal Degrees 36.78705 107.8662

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"/> | Ravena 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"/> | Dalmation 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 pepperweed | <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

3-28-19