

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

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

8. Well Name and No.  
RIDDLE B 99. API Well No.  
30-045-21567-00-S110. Field and Pool or Exploratory Area  
AZTEC PC/ BLANCO MV11. County or Parish, State  
SAN JUAN COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

SOUTHLAND ROYALTY COMPANY LLC

Contact: ERIC KITTINGER

E-Mail: EKITTINGER@MSPARTNERS.COM

3a. Address

400 W 7TH STREET  
FORT WORTH, TX 76102

3b. Phone No. (include area code)

Ph: 817-334-8302

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

Sec 27 T30N R10W NENE 1180FNL 1125FEL  
36.787109 N Lat, 107.866180 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 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 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.

Southland Royalty Company LLC has plugged and abandoned the Riddle B #9 as of 11/16/2019.  
GPS coordinates for the wellhead have been verified as Lat.36.787222, Long. 107.866667.  
Attached are the final WBD, Daily Reports, Cement Reports, and CBL.

NMOC

DEC 18 2019

DISTRICT III

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

Electronic Submission #495551 verified by the BLM Well Information System  
For SOUTHLAND ROYALTY COMPANY LLC, sent to the Farmington  
Committed to AFMSS for processing by JOE KILLINS on 12/12/2019 (20JK0062SE)

Name (Printed/Typed) CONNIE BLAYLOCK

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/12/2019

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

Approved By

ACCEPTED

JOE KILLINS  
Title ENGINEER

Date 12/12/2019

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 Farmington

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)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

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RIDDLE B 9

PLUG AND ABANDON

11/11/2019	<p><b>WORK SUMMARY</b></p> <p>MOL and R/U P&amp;A rig. Recorded wellbore pressures(see wellbore pressures below) and bled down well. N/D wellhead, N/U BOP and function tested. P/U 1-1/4" work string and tallied in the hole to a depth of 750'. TOOH with tubing. R/U wire line services. RIH and set CIBP at 2750'. Ran CBL from CIBP at 2750'to surface. CBL results were sent to BLM/NMOCD offices for review. Loaded casing and pressure tested to 800 psi in which it successfully held pressure. Shut-in well for the day. Jimmy Dobson was BLM inspector on location.</p>
11/14/2019	<p><b>WORK SUMMARY</b></p> <p>Recorded wellbore pressures(see wellbore pressures below) and bled down well. TIH to just above CR at 2750'. R/U cementing services. Pumped plug #1 from 2750'-2300' to cover the Pictured Cliffs perforations and formation top and Fruitland formation top. TOOH with tubing. R/U wire line services. RIH and perforated squeeze holes at 1500'. P/U CR, TIH and set at 1464'. Attempted to establish injection rate under CR at 1464' and into perforations at 1500' but was unsuccessful. DWS supervisor reviewed notes and realized both perforations and CR were set and shot too high. Made a call to BLM NMOCD offices and determined CR would have to be drilled out so that Kirtland formation top would be adequately covered. Shut-in well for the day.</p>
11/15/2019	<p><b>WORK SUMMARY</b></p> <p>Recorded wellbore pressures(see wellbore pressures below) and bled down well. P/U mill and 1-1/2" drill collars. TIH and started drilling CR. Drilled on CR until slips were milled up and it was able to be pushed down hole to 1711' where it will be cemented in place. TOOH L/D drill string. Shut-in well for the day. Cementing services will resume 11/16/19. Jimmy Dobson was BLM inspector on location.</p>
11/16/2019	<p><b>WORK SUMMARY</b></p> <p>Recorded wellbore pressures(see wellbore pressures below) and bled down well. TIH with tubing to 1698'. R/U cementing services. Pumped plug #2 from 1698'-1250' to cover the Kirtland and Ojo Alamo formation tops. R/U wire line services. RIH and perforated squeeze holes at 132'. Successfully established circulation down through perforations at 132' and back around and out Bradenhead valve at surface. Successfully circulated cement down through perforations at 132' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Had to jack hammer out cement so that wellhead could be cut-off. Installed P&amp;A marker per BLM/NMOCD standards. Ran weighted tally tape down both casings and tagged cement 20' down in surface casing and 30' down in 2-7/8" production casing. Ran 3/4" poly pipe down both casings and topped-off well with 27 sx of cement. R/D and MOL. Jimmie Dobson was BLM inspector on location.</p>





## Treatment Report 1

**Customer:** DWS/Southland  
**Well Name:** Riddle B#9  
**Job Type:** 1500 Gals 15% acid  
**State:** New Mexico  
**County:** San Juan  
**API:**  
**Legals:**

**Drake Energy Services**  
 607 West Pinon Street  
 Farmington NM, 87401  
 Office: (505) 327-7301  
 Fax: (505) 327-7304  
**DATE:** 11/16/2019

FR# 2019-310

**OH Size:**  
**Casing Size:**  
**Tubing Size:**

Date	Time	Volume of Fluid Pumped	Fluid Type	Pressure	Rate	Event
mm/dd/yy	h:mm	bbls	name	psi	bpm	Description of operation and fluid pumped
11/14/2019	7:00					ARRIVE ON LOCATION
	7:30					Safety meeting
	9:50	0.2	H2O	3800	0.1	pressure test line
	9:58	2.5	H2O	250	1.3	Circulate Well
	10:03	0	CMT	0	0	Shut Down /batch mix 15.8# cmt
	10:11	2.7	CMT	350	0.9	Start 2.7 bbls 15.8#Cmt 13Sks
	10:16	4.2	H2O	100	0.9	Start 4.2 bbls fresh water Displacement
	10:20	0	H2O	0	0	Shut Down Trip out of hole
	13:22	3.2	H2O	800	0.23	Start in jection test
	13:36	0	H2O	0	0	Shut Down
11/16/2019	6:30					Arrive location
	7:30					Safety meeting
	8:13	2	H2O	130	1	Circulate 2 bbls fresh water
	8:15	0	CMT	0	0	Shut Down Batch mix 15.8# Cmt
	8:26	2.6	CMT	300	0.9	Start 2.6 Bbls 15.8# Cmt 13 sks
	8:29	2.4	H2O	180	0.9	Start 2.4 bbls Displacement
	8:31	0	H2O	0	0	Shut Down Balanced/ Trip Tubing
	9:24	12	H2O	42	4.6	Ciculate 12 bbls
	9:27	0	CMT	0	0	Shut Dwon Batch Mix 15.8# cmt
	9:38	15	CMT	54	2	Start 15 BBls 15.8# CMT 74 sks
	9:53	0	Cmt	0	0	Shut Down Cement to surface
	12:10	0	0	0	0	Batch Mix 15.8#
	12:30	5.5	CMT	0	0.7	Start 5.5 bbls 15.8# CMT/ 27 sks
	12:40					Shut Down topped out
TOTAL:		17:42	52.3			

Supervisor Signature



Southland Royalty Company

## PLUGGED & ABANDONED

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'

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

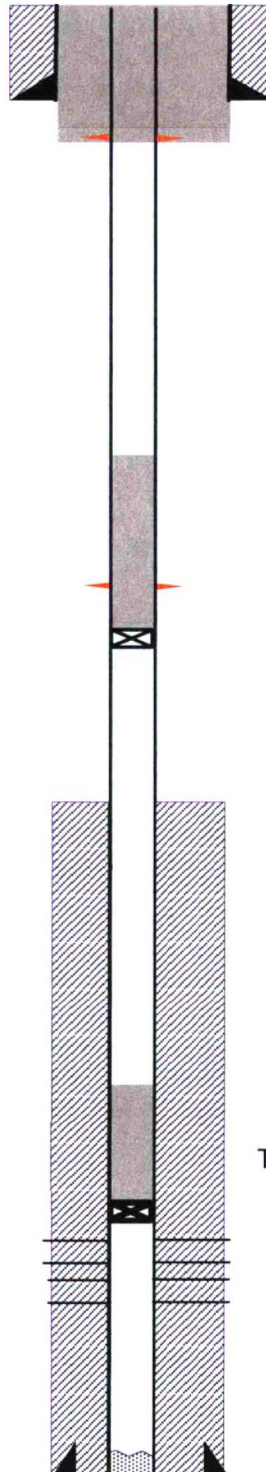
Cement  
165 cu. Ft. Cement  
Cmt circulated

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

**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'



#### PLUG 3:

Perf holes @ 132'  
101 sx Class G cmt inside casing and in  
annulus to surface. Topped off w/ 27 sx  
cmt. TOC @ Surface.

#### PLUG 2:

Perf holes @ 1,500'  
Pushed and abandoned CICR @  
1,711'.  
Pumped 13 sx Class G cmt from  
1,698' – 1,250'

#### PLUG 1:

CIBP @ 2,750'  
Top w/ 13 sx Class G cmt from  
2,750' – 2,300'

PBTD: 2,933'