

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

5. Lease Serial No.
NMSF077764

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 ☐ Other

8. Well Name and No.
SCHUMACHER 12

2. Name of Operator
SOUTHLAND ROYALTY COMPANY LLC
Contact: CONNIE BLAYLOCK
Email: CBLAYLOCK@MSPARTNERS.COM

9. API Well No.
30-045-09441-00-S1

3a. Address
400 W 7TH STREET
FORT WORTH, TX 76102

3b. Phone No. (include area code)
Ph: 817-334-7882

10. Field and Pool or Exploratory Area
UNNAMED

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

Sec 17 T30N R10W SWSW 0800FSL 0800FWL
36.806671 N Lat, 107.912979 W Lon

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 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 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 has plugged and abandoned the Schumacher 12 as of 11/3/2018.
Please see the attached Procedure, Daily Reports, WBD, CBL, Cements Reports, and a copy of previously filed Reclamation Plan.

NMOC

FEB 21 2019

DISTRICT III

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

Electronic Submission #446256 verified by the BLM Well Information System
For SOUTHLAND ROYALTY COMPANY LLC, sent to the Farmington
Committed to AFMSS for processing by SHANNON FACHAN on 02/15/2019 (18JWS0102SE)

Name (Printed Typed) CONNIE BLAYLOCK

Title REGULATORY TECH

Signature (Electronic Submission)

Date 12/03/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

VIRGIL LUCERO
Title BRANCH CHIEF, I&E

Date 02/15/2019

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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Revisions to Operator-Submitted EC Data for Sundry Notice #446256

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	ABD SR	ABD SR
Lease:	NMSF077764	NMSF077764
Agreement:		
Operator:	SOUTHLAND ROYALTY COMPANY LLC 400 W 7TH ST FORT WORTH, TX 76102 Ph: 817-334-7882	SOUTHLAND ROYALTY COMPANY LLC 400 W 7TH STREET FORT WORTH, TX 76102 Ph: 871.334.8302
Admin Contact:	CONNIE BLAYLOCK REGULATORY ANALYST E-Mail: CBLAYLOCK@MSPARTNERS.COM Ph: 817-334-7882	CONNIE BLAYLOCK REGULATORY TECH E-Mail: CBLAYLOCK@MSPARTNERS.COM Ph: 817-334-7882
Tech Contact:	CONNIE BLAYLOCK REGULATORY ANALYST E-Mail: CBLAYLOCK@MSPARTNERS.COM Ph: 817-334-7882	CONNIE BLAYLOCK REGULATORY TECH E-Mail: CBLAYLOCK@MSPARTNERS.COM Ph: 817-334-7882
Location:		
State:	NM	NM
County:	SAN JUAN	SAN JUAN
Field/Pool:	BASIN DAKOTA	UNNAMED
Well/Facility:	SCHUMACHER 12 Sec 17 T30N R10W 800FSL 800FWL 36.806648 N Lat, 107.913543 W Lon	SCHUMACHER 12 Sec 17 T30N R10W SWSW 0800FSL 0800FWL 36.806671 N Lat, 107.912979 W Lon

Job Summary for SCHUMACHER 12

Permanently Plug & Abandon Well

10/27/2018	Travel to loc. Start Rig and Equipment, fill out JSA, held safety meeting. Check psion well, 2 3/8" tbg - 0 psi, 4-1/2" csg - 600 psi, BH - 0 psi. RU relief lines, blow well down to 0 psi. Spot in equipment and rig. Ru pulling unit. Check psi on well, 2 - 3/8" tbg 100 psi, 4-1/2" csg" - 780 psi, BH - 0 psi. Ru relief lines blow well down to 0 psi. ND wellhead, Nu bop, Ru workflorr and tbg equipment. Pull tbg hanger, found tbg stuck, pulled 20K over to attempt to work tbg free. Unable to, SIW, secure loc. SDFN, Travel to AWS yard.
10/29/2018	Travel to loac. Start Rig and equipment, fill out JSA, held safety meeting. Check psi on well, 2-3/8" tbg - 100 psi, 4-1/2" csg - 600 psi, Bh 0 psi. Ru cutters WL, RiH to 3486' free tbg unable to pass 6920', check 100% free. BLM and NMOCD approved to cut @ 6920', set CR @ 6900'. WI POOH, RIH w/chemical, cut @ 6920', Cut tbg POOH, Rd WL. Tooh and tally tbg, PU 4-1/2" Csg scraper, TIH to 6920', TOO H w/50 stands, SIW, secure loc. Travel to Aws yard.
10/30/2018	Travel to loc, start rig and equipment, fill out JSA, held safety meeting. Check psi on well, 2-3/8" tbg 0 psi, 4-1/2" csg 0 psi, BH 0 psi. open well. Continue to TOO H. LD csg scraper, PU 4-1/2" CR TIH to 6900', set CR, RU pump to tbg load w/1 bbl PT tbg to 1000 psi, test good. Release and sting out, Ru pump to tbg, load and est circ w/2 bbls total attempt to PT, got a rate of .5 BPM @ 900 psi. Sting attempt to get a rate pressured up to 1000 psi, no rate. BLM and NMOCD approve to set plug top of CR w/24 sxs. Plug #1, Dakota and Greenhorn top, M&P 24 sxs, class G cmt from 6900' to 6592' TOC. LD tbg, TOO H LD setting tool, RU pump to csg load csg w/12 bbls. RU bluejet WL, run CBL from 6530' to 0', good cmt from 6010' to 4550', 3830' to 270', RIH w/3-1/8" HSC to 6490' perf 3 holes, RD WL. SIW, secure loc. SDFN. Travel to AWS yard.
10/31/2018	Travel to location, start rig and equip, fill out JSA, held safety meeting. Check psi on well, no tbg, 4-1/2" csg 0 psi, BH 0 psi, open well. PU 4-1/2" CR TIH to 6443' set CR, release and sting out, load and est circ above CR w/1bbl. Attempt to PT, csg got a rate of .5BPM @ 900 psi, no test sting in got a rate of 2 BPM @ 400 psi. Plug #2, Gallup top, M&P 56 sxs, class G cmt from 6490' to 6289' TOC, w/40 in annulus, 4 below, 12 on tp of CR. LD tbg, TOO H LD seting tool. WOC, TIH tag plug #2 @ 6271', tag good. LD tbg and PUH to 5710' load and est circ w/3 bbls, attempt to PT csg no test same rate. BLM rep and OCD approved to change all inside?outside plugs to balance plugs and perf surface @ 240'. Plug #3, Mancos top, M&P 16 sxs, class G cmt from 5710' to 5505', TOC. LD tbg, and TOO H w/10 stds, IW, secure loc. SDFD, Travel to AWS yard.
11/01/2018	Travel to loc, start rig and equip. Fill out JSA, held safety meeting. Check psi, 2-3/8' tbg 0 psi, 4-1/2" csg 0psi, BH 0 psi. Opem well, TIH tag plug @ 5561', tag good. PUH to 4600', attempt to get circ, pressured tbg cmted up. TOO H found 3 jts cmt up due to well water. TIH to 4600', load and est circ w/10 bbls, attempt to pt csg got same rate no test. Pug #4, mesaverde top, M&P 16 sxs, class g cmt from 4600' to 4395' TOC. LD tbg TOO H w/10 stds. Reverse circ w/20 bbls, WOC. TIH tag plug #4 @ 4466' tag good, LD tbg, PUH to 3705', Load and est circ w/2 bbls, attempt to pt, csg got same rate of .5 BPM @ 900 psi, no test. Plug #5, chacra top, M&P 20 sxs, class G cmt from 3705' to 3449', TOC. LD tbg TOO H w/10 stds, SIW, secure loc. SDFN, travel to aws yard.
11/02/2018	Travel to loc, start rig and equip. Fill out JSA, held safety meeting. Check PSI on well, 2-3/8" tbg 0 psi, 4-1/2" csg 0 psi, BH 0 psi. Open well, TIH, tag plug 5 @ 3471', tag good, PUH to 2958'. Load and est circ w/2 bbls, PT csg to 800 psi, test good. BLM rep approved to combine plug #6 and #7. Pictured Cliffs and Fruitlandtop, M&P 38 sxs, class G cmt from 2958' to 2470' TOC. LD tbg PUH to 1713'. Pump truck broke down, SIW, secure location. SDFN, travel to AWS yard.
11/03/2018	Travel to loc. Start rig and equip, fill out JSA, held safety meeting. Check psi on well, 2-3/8"

<p>tbg 0 psi, 4-1/2 csg 0 psi, BH 0 psi, open well. RU pump, load and est circ w/4 bbls. Plug #7, Ojo Alamo, Kirtland top, M&P 19 sxs, class G cmt from 1713' to 1469', TOC. TOOH and LD remaining tbg. RU bluejet WL, RIH w/3-1/8" HSC to 240' perf 3 holes, POOH RD WL. RU pump to csg load and est circ out BH w/5 bls, Pump 20 bbls total. TIH and PU tbg to 350', RU pump to tbg and est circ w/1bbl. Plug #8, surface M&P 120 sxs, class G cmt from 350' to surface w/28 csg, 92 in annulus till good cmt returns. TOOH and LD remaining tbg, TD tbg equip and workflow, ND BOP. Welder cut off wellhead found TOC @surface in annulus and 4-1/2" csg, BLM approved to weld on DHM and plate. RD pulling unit, get equip ready for road, SNFN. Travel to AWS yard.</p>
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Southland Royalty Company

PLUGGED & ABANDONED 11-03-2018

Schumacher 12 San Juan, NM

TD - 7,541', PBTD - 7,502'

13-3/4" hole to 303'
Surface Csg: 9 Jts 9-5/8" 36# J-55
Setting Depth: 301' kb

Cement
200 Sx Regular
Circulate cmt to surface

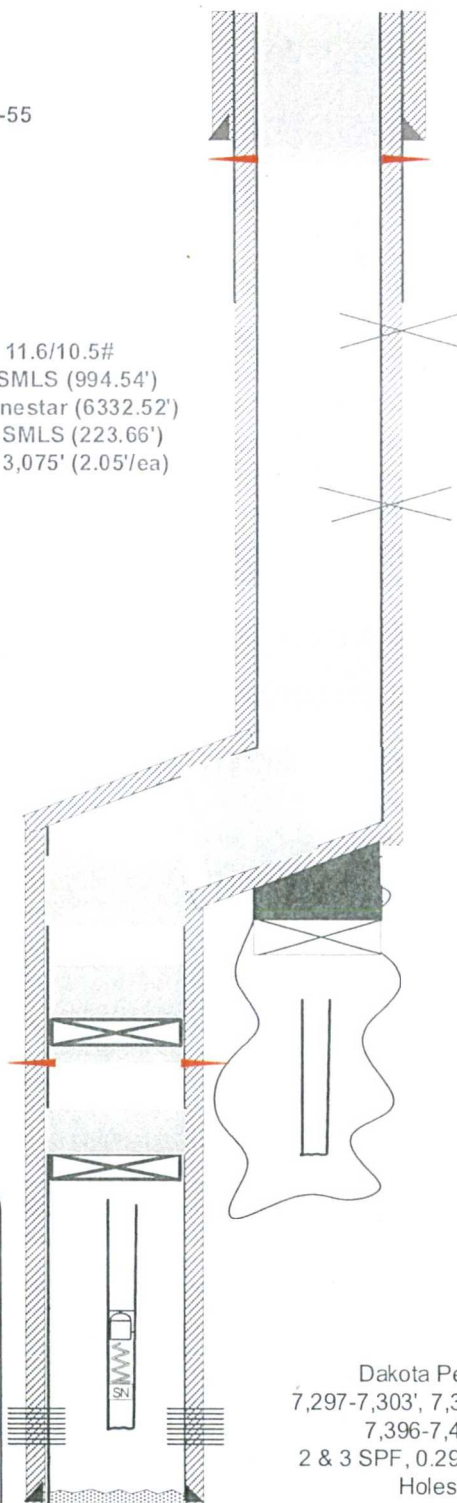
7-7/8" hole to 7,541'
Production Csg: 236 Jts 4-1/2" 11.6/10.5#
7 Jts 11.6#, J-55 J&L, SMLS (994.54')
197 Jts 10.5#, J-55, Lonestar (6332.52')
32 Jts 11.6#, J-55 J&L SMLS (223.66')
Stage Tool @ 5,491' & 3,075' (2.05'/ea)
Setting Depth: 7,541'

Cement
3rd Stage @ 3075': 325 Sx
TOC @ 1675'
2nd Stage @ 5491': 260 Sx
TOC @ 4610'
1st Stage @ 7541': 130 Sx
TOC @ 6960'

6/17/1962
Fish in Original Vertical Hole
16 drill collars w/ BHA left in
hole
TOF @ 4686'
Spot Cmt above Fish
Set Whipstock @ 4601' for
Vertical Sidetrack

01/18/1963
Csg Patch @ 1077'
Cmt backside w/ 150 Sx

04/14/2011
Sqz Csg Leak f/ 3709-3800'
370 Sx Class G Under Cmt
Retainer
04/18/2011
15 Sx Balanced Plug f/ 3562-3797'
Hesitate Sqz to 950 psi
04/20/2011
20 Sx Balanced Plug f/ 3503-3797'
Hesitate Sqz to 1020 psi
04/22/2011
20 Sx Balanced Plug f/ 3532-3797'
Hesitate Sqz to 1002 psi



PBTD: 7,502'

Dakota Perfs:
7,297-7,303', 7,384-7,388',
7,396-7,400'
2 & 3 SPF, 0.29" dia, 120
Holes

Prepared by: D. Poindexter
Date: 11/30/2018

KB = 10'
KB = 6,380'
GL = 6,370'
API# 30-045-09441
Pool: Basin Dakota

Spud Date: 05/20/1962
Completed: 07/19/1962

11/3/2018: PLUG 7 - 19 sx 15.8#, Class G from 1713' - 1469'. Perforate 3 holes @ 240'. PLUG 8 - Pump 120 sx 15.8#, Class G from 350' to surface w/ 28 sx in casing and 92 sx in annulus until good cmt returns.

11/2/2018: Tag top of plug 5 @ 3471'. PLUG 6 - 38 sx 15.8#, Class G from 2958' - 2470'

11/1/2018: Tag top of plug 3 @ 5561'. PLUG 4 - 16 sx, 15.8#, Class G from 4600' - 4395'. Tag TOC @ 4466'. PLUG 5 - 20 sx 15.8#, Class G from 3705' - 3449'.

10/31/2018: CR @ 6443'. PLUG 2 - Cmt w/ 56 sx 15.8#, Class G from 6490' - 6289' TOC w/ 40 sx in annulus, 4 sx below CR, 12 sx on top of CR. Tag TOC @ 6271'. PLUG 3 - 16 sx 15.8#, Class G from 5710' - 5505'.

10/30/2018: CR @ 6900'. PLUG 1 - Cmt w/ 24 sx 15.8#, Class G from 6900' - 6592'. Ran CBL from 6530' - sfc. Perforate 3 holes @ 6,490'

10/29/2018: 2-3/8" 4.7# J-55 tbg stuck. BLM and NMOCD approval to cut @ 6,920' Tubing Chemical Cut @ 6,920' and POOH.

Schumacher 12 P&A Procedure 10/27/18-11/3/18

10/27: MIRU. Found tbg stuck.

10/29: RIH to 3486' free tbg, unable to pass 6920', check 100% free. BLM and NMOCD approved to cut at 6920', set CR at 6900'. Cut at 6920', pu csg scraper, TIH to 6920'.

10/30: TIH to 6900', set CR, set plug on top of CR with 24sx per BLM/OCD approval. Plug #1 mix and pump 24sx Class G cmt from 6900' to 6592' TOC. Run CBL from 6530' to 0, good cmt from 6010' to 4550', 3830' to 270'. RIH to 6490' and perf 3 holes.

10/31: TIH to 6443', set CR. Plug #2 mix and pump 56sx Class G cmt from 6490' to 6289' TOC- 40sx in annulus, 4 sx below and 12sx on top of CR. WOC, TIH tag Plug #2 at 6271'. Change all inside/outside plugs to balance plugs per BLM/OCD and perf surface at 240'. Plug #3 mix and pump 16sx Class G cmt from 5710' to 5505' TOC.

11/1: TIH tag Plug #3 at 5561'. Plug #4 mix and pump 16sx Class G cmt from 4600' to 4395' TOC. WOC, TIH tag Plug #4 at 4466'. Plug #5 mix and pump 20sx Class G cmt from 3705' to 3449' TOC.

11/2: TIH tag Plug #5 at 3471'. BLM rep approved to combine Plug #6 and #7, Pictured Cliffs and Fruitland Top. Plug #6 mix and pump 38sx Class G cmt from 2958' to 2470' TOC.

11/3: Plug #7 mix and pump 19sx Class G cmt from 1713' to 1469' TOC. RIH to 240', perf 3 holes. Plug #8 mix and pump 120sx Class G cmt from 350' to surface with 28sx in csg, 92sx in annulus. Cut off wellhead, weld DHM and plate. RDMO.

