

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.  
NMNM30586

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**

8. Well Name and No.  
CARRACAS 32-5 24-1

9. API Well No.  
30-039-31362-00-X1

10. Field and Pool or Exploratory Area  
BASIN DAKOTA

11. County or Parish, State  
RIO ARRIBA COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
SOUTHLAND ROYALTY COMPANY LLC  
Contact: ROBBIE A GRIGG  
Email: rgrigg@mspartners.com

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

3b. Phone No. (include area code)  
Ph: 817.334.7842

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 24 T32N R5W NWSW 2610FSL 897FWL  
36.965641 N Lat, 107.319504 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input checked="" type="checkbox"/> Recomplete
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Convert to Injection

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 recompletable 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.

On 11/15/2017  
MIRU WL, MU CIBP and RIH, Set @ 8740' (Above Dakota Perfs f/8,775-8,870')  
RIH w/cmt bailer, tag plug and dum 2 sx cmt on top of CIBP  
RIH w/wellhead isolation tool and test csg and plug to 7,500 psi for 15 min. Good Test  
Bleed off pressure, POOH w/WH isolation tool  
MU Bailer and RIH on WL and dump 15% Acid @ 8,206'  
Perf 8,108 - 8206': Total Holes: 24 (1spf, 0.42", 90 deg)  
RD&R WL  
RIH pmp 2,000 gal 15% HCL and 47,001 gal FW  
Flowback well up csg  
MIRU WL, RIH w/AS1XW pkr w/plug in place and set @ 7,980'

OIL CONS. DIV DIST. 3  
DEC 14 2017

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #396581 verified by the BLM Well Information System  
For SOUTHLAND ROYALTY COMPANY LLC, sent to the Farmington  
Committed to AFMSS for processing by JACK SAVAGE on 12/12/2017 (18JWS0037SE)**

Name (Printed/Typed) ROBBIE A GRIGG Title SUPVR REGULATORY REPORTING

Signature (Electronic Submission) Date 11/30/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED** Title JACK SAVAGE  
PETROLEUM ENGINEER Date 12/12/2017

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 \*\***

NMOCD *A*

**Additional data for EC transaction #396581 that would not fit on the form**

**32. Additional remarks, continued**

RD&R WL  
RIH w/prod tbg, cir pkr fluid, latch onto pkr.  
NM BOP, NU WH and pump out Plug  
Test tubing-casing anulus and held 500 psi  
RED&R PU. Leave well SI waiting on approval to go to sales.

See attached WBD with detail



Southland Royalty Company

Prepared by: CArnold  
Date: 11/20/2017

KB = 16 ft  
GL = 7,340 ft  
KB = 7,356 ft  
API# 30-039-31362

Spud Date: 08/31/2017  
DK Frac Date: 10/07/2017

### Carracas 32-5 24 #1 Rio Arriba County, NM

TD - 8,953 ft MD

17 1/2" hole to 620'.  
Surface Csg: 17jts 13 3/8" 54.5# lb/ft J-55 ST&C  
Setting Depth: 618 ft kb

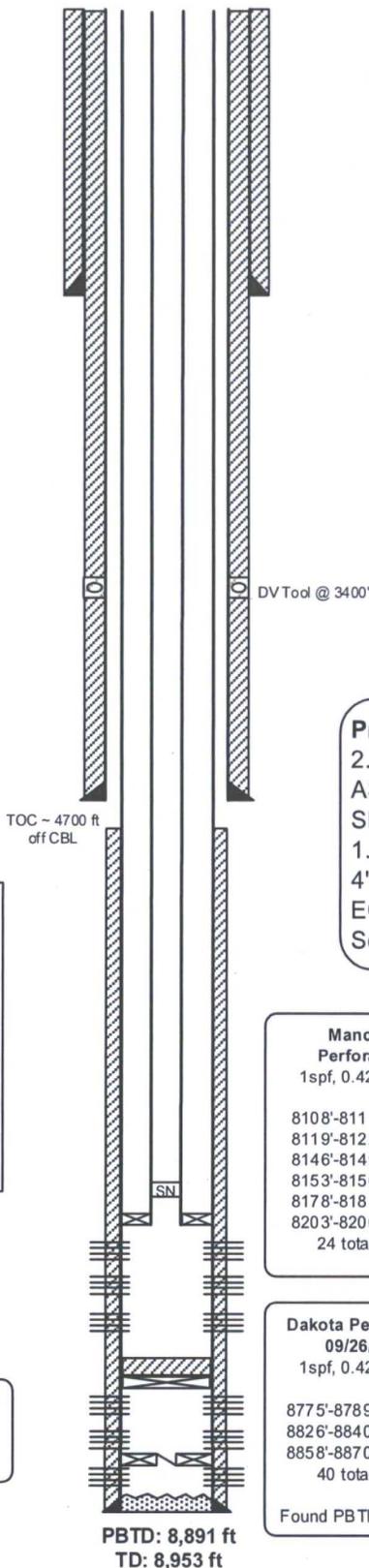
Cement  
475sx 13.5# 1.85yield surface cmt.  
Circulate 85 bbls good cmt to surface

12 1/4" hole to 4,533'.  
Int Csg: 102jts 8 5/8" 32# N-80 LT&C  
Setting Depth, FS: 4,509 ft  
Float Collar: 4,462 ft  
Hyd DV Tool: 3400 ft

Cement  
Stage 1: Lead-300sx 12.3# 1.97yield.  
Tail-140sx 13.5# 1.3yield  
Circ 50 bbls good cmt off DV tool  
Stage 2: Lead-875sx 12.3# 1.95yield  
Tail-145sx 13.5# 1.31yield.  
Circ 70 bbls good cmt to surface.

7 7/8" hole to 8,953'.  
Prod Csg: 201 jts 5.5" 17# P-110 LT&C  
Setting depth, FS: 8,938 ft  
PBDT, FC: 8,891 ft

Cement  
715sx 13.3# 1.36 yield cmt.  
Top of cmt: ~ 4700 ft (based on CBL)



**Prod Tbg 11/20/2017:**  
2.375" 4.7# L-80 tbg  
AS1XW Pkr, 2-7/8" OOT w/ 2.31"  
SN, XO to 2-3/8", 1 Jt 2-3/8",  
1.81" FN, 243 Jts 2-3/8" 10', 8', 6'  
4' Pup Jts, 1 Jt 2-3/8"  
EOT = 7,990' ; 1.81" FN = 7,946'  
Set Pkr w/ 10k Comp

- FM Tops**
- Nacimiento - 1675 ft
  - Ojo Alamo - 3326 ft
  - Kirtland Shale - 3531 ft
  - Fruitland Coal - 3842 ft
  - Pictured Cliffs - 4056 ft
  - Lewis Shale - 4533 ft
  - Cliffhouse - 6152 ft
  - Menefee - 6430 ft
  - Point Lookout - 6567 ft
  - Mancos Shale - 7140 ft
  - Greenhorn - 8612 ft
  - Graneros - 8657 ft
  - Dakota - 8763 ft

**Mancos B Perforations**  
1spf, 0.42", 90deg  
8108'-8111'; 4 holes  
8119'-8122'; 4 holes  
8146'-8149'; 4 holes  
8153'-8156'; 4 holes  
8178'-8181'; 4 holes  
8203'-8206'; 4 holes  
24 total holes

**Acidize Mancos B**  
15% HCl (36 bioballs) - 2,000 gal  
Water - 47,001 gal  
ATR - 29.5 BPM, ATP - 4,621 psi  
MTP - 6,196 psi  
ISIP - 2,631 psi, IFG - 0.755 psi/ft  
ISDP - 2,709 psi, FFG - 0.765 psi/ft

**Dakota Perforations**  
09/26/2017  
1spf, 0.42", 60deg  
8775'-8789'; 14 holes  
8826'-8840'; 14 holes  
8858'-8870'; 12 holes  
40 total holes  
Found PBDT at 8873 ft

**Frac DK - 10/07/2017**  
15% HCl (50 bioballs) - 2500 gal  
Water - 4,916 bbls  
100 Mesh - 38,900 lbs  
40/80 Hydroprop LWC - 73,125 lbs  
30/50 CRC - 27,180 lbs  
Total Prop - 139,205 lbs  
ATR - 69.5 BPM  
ATP - 4,950 psi  
MTR - 69.8 BPM  
MTP - 5,472 psi  
ISIP - 2,495 psi  
IFG - 0.716 psi/ft  
ISDP - 3,707 psi  
FFG - 0.853 psi/ft

CIBP @ 8740'  
w/ 2 Sx Cmt  
CICR @ 8854'