

Form 3160-5
(June 2015)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.
NMSF079488A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
CARSON 3029. API Well No.
30-039-27816-00-S110. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL

11. County or Parish, State

RIO ARRIBA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: COAL BED METHANE

2. Name of Operator

SOUTHLAND ROYALTY COMPANY LLC

Contact: ERIC KITTINGER

Email: 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 31 T30N R4W NWNE 320FNL 1615FEL
36.774516 N Lat, 107.292841 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 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.

Southland Royalty Company LLC has plugged and abandoned the Carson 302 as of 09/29/2020.
Attached are the Daily and Cementing Reports and the Final WBD.

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

**Electronic Submission #533384 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 11/06/2020 (21JK0009SE)**

Name (Printed/Typed) CONNIE BLAYLOCK

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/08/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJOE KILLINS
Title ENGINEER

Date 11/06/2020

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 ****

Revisions to Operator-Submitted EC Data for Sundry Notice #533384

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	ABD SR	ABD SR
Lease:	NMSF079488A	NMSF079488A
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:	ERIC KITTINGER REGULATORY SUPERVISOR E-Mail: EKITTINGER@MSPARTNERS.COM Ph: 817-334-8302	ERIC KITTINGER REGULATORY SUPERVISOR E-Mail: EKITTINGER@MSPARTNERS.COM Ph: 817-334-8302
Tech Contact:	CONNIE BLAYLOCK REGULATORY ANALYST E-Mail: CBLAYLOCK@MSPARTNERS.COM Ph: 817-334-7882	CONNIE BLAYLOCK REGULATORY ANALYST E-Mail: CBLAYLOCK@MSPARTNERS.COM Ph: 817-334-7882
Location:		
State:	NM	NM
County:	RIO ARRIBA	RIO ARRIBA
Field/Pool:	BASIN FRUITLAND COAL	BASIN FRUITLAND COAL
Well/Facility:	CARSON 302 Sec 31 T30N R4W 320FNL 1615FEL	CARSON 302 Sec 31 T30N R4W NWNE 320FNL 1615FEL 36.774516 N Lat, 107.292841 W Lon



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CEMENT JOB DETAIL SHEET

CUSTOMER:	SOUTHLAND ROYALTY COMPANY	DATE:	September 28, 2020	API Number:	30-039-27816	TYPE OF JOB:	P & A
LEASE & WELL NAME:	Carson #302	LOCATION:	Sec 31 T30N R04W	SERVICE SUP:	MICHEL CRANE		
SERVICE CONTRACTOR:	840	OPERATOR:	AWS	COUNTY:	RIO ARriba	STATE:	NEW MEXICO

MATERIALS FURNISHED:	TYPE OF PLUGS:		LIST CSG. HARDWARE:	SQUEEZE MANIFOLD:	TOP OF EACH FLUID:	PHYSICAL SLURRY PROPERTIES:					
	TOP	N/A		NO		SLURRY WEIGHT: Lb/gal	SLURRY YIELD: Cuft/sk	WATER REQ.: Gals/sk	PUMP TIME: hr:mm	SLURRY: bbls	MIX WATER: bbls
	BOTTOM	0									

PRE-FLUSH - FRESH WATER

Plug #2-A, Lewis, PC and Fruitland Tops: M&P 16 sxs, 15.8# class G cmt from 4150' to 4067' TOC, Disp w 15bbls.	4,067	15.80	18.40	5.00	3.3	1.9
Plug #3, Kirtland and Ojo Alamo Tops: M&P 74 sxs, 15.8# class G cmt from 3918' to 3533' TOC, Disp w 13bbls.	3,533	15.80	85.10	5.00	15.2	8.8
Plug #4, Nacimiento Top: M&P 30 sxs, 15.8# class G cmt from 2703' to 2547' TOC, Disp w 9bbls.	2547	15.80	34.50	5.00	6.1	3.6
Plug #5, Surface Shoe and Surface: M&P 160 sxs, 15.8# class G cmt from 285' to 0'.	0	15.80	184.00	5.00	32.3	19.0

AVAILABLE MIX WATER:	50.0 BBLs	AVAILABLE DISPLACEMENT WATER:	100.0 BBLs	TOTAL MIX WATER:	33.3
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HOLE		TBG.-CSG.-D.P.				TBG.-CSG.-D.P.				COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WEIGHT	DEPTH	SIZE	WEIGHT	DEPTH	SIZE	WEIGHT	DEPTH	SHOE	FLOAT	STAGE
12 1/4	100	233	9 5/8	32.30	H-40	233	2 3/8	4.70	J-55	4,009		0	0	0

LAST CASING		PKR-CMT RET-BR PL-LINER		PERF DEPTHS		TOP CONNECTION		WELLBORE FLUID			
SIZE	WEIGHT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BOTTOM	SIZE	THREAD	TYPE	WEIGHT
7	23.00	J-55	5,198	N/A	N/A	0	0	2 3/8	8 ROUND	FRESH WATER	8.30

CALCULATED DISPLACEMENT VOLUME: BBL		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG. PSI	MAX CASING PSI		DISPLACEMENT FLUID		WATER			
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO REVERSE	SQ. PSI	RATED	OP	RATED	OP	SOURCE		
				0	0	500 PSI	0	0	0	0	FRESH WATER	8.30	CITY WATER

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTING:

PUMP DETAILS:						DAILY SUMMARY:					
TIME	PRESSURE - PSI		RATE	BBL FLUID	FLUID	SAFETY MEETING: CREW CO. REP					
HR: MIN	PIPE	ANNULUS	BPM	PUMPED:	TYPE:	TEST LINES: 0 PSI					
						CIRCULATING WELL RIG: WPS					
5:30	-	-	-	-	-	Travel to loc.					
7:00	-	-	-	-	-	Service and start rig and equip, fill out JSA, held safety mtg.					
7:15	-	-	-	-	-	Check PSI on Well, 0 psi on csg, tbg and BH.					
7:30						TIH tag plug #1 @4150', tag low.					
7:45						RU to tbg and est circ w 2bbls, pressure test csg @550psi, good test.					
8:15						Plug #2-A, Lewis, PC and Fruitland Tops: M&P 16 sxs, 15.8# class G cmt from 4150' to 4067' TOC, Disp w 15bbls.					
8:30	-	-	-	-	-	LD tbg to 3918', est circ w 1bbl.					
8:45	-	-	-	-	-	Plug #3, Kirtland and Ojo Alamo Tops: M&P 74 sxs, 15.8# class G cmt from 3918' to 3533' TOC, Disp w 13bbls.					
9:15						LD tbg to 2703', est circ w bbls.					
9:45	-	-	-	-	-	Plug #4, Nacimiento Top: M&P 30 sxs, 15.8# class G cmt from 2703' to 2547' TOC, Disp w 9bbls.					
10:15						LD all tubing.					
11:15						RU WL, RIH and perforate @285', est circ up BH w 32bbls, RD WL.					
12:00						RD work floor, ND BOP - NU well head.					
12:45						Plug #5, Surface Shoe and Surface: M&P 160 sxs, 15.8# class G cmt from 285' to 0'.					
						Lost circ up BH after 127 sxs, pressure increased to 300psi and never saw returns up BH.					
14:00						Secure well, SDFN.					
14:30						Travel to AWS yard.					

BLM REP ON LOC, MICHAEL GILBREATH

BUMPED PLUG:	PSI TO BUMP PLUG:	TEST FLOAT EQUIPMENT:	TOTAL BBL. PUMPED:	BBL CMT. RETURNS/ REVERSED:	PSI LEFT ON CSG.:	SPOT TOP CEMENT:	AZTEC WELL SERVICING CO REP.:	MICHEL CRANE
N/A	N/A	N/A	0.0	1.5	0	1163'	CUSTOMER REP.:	JASON PEACE
							CUSTOMER REP. SIGNATURE:	CUSTOMER AUTHORIZING AGENT



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Southland Royalty Company

Carson 302

Rio Arriba County, NM

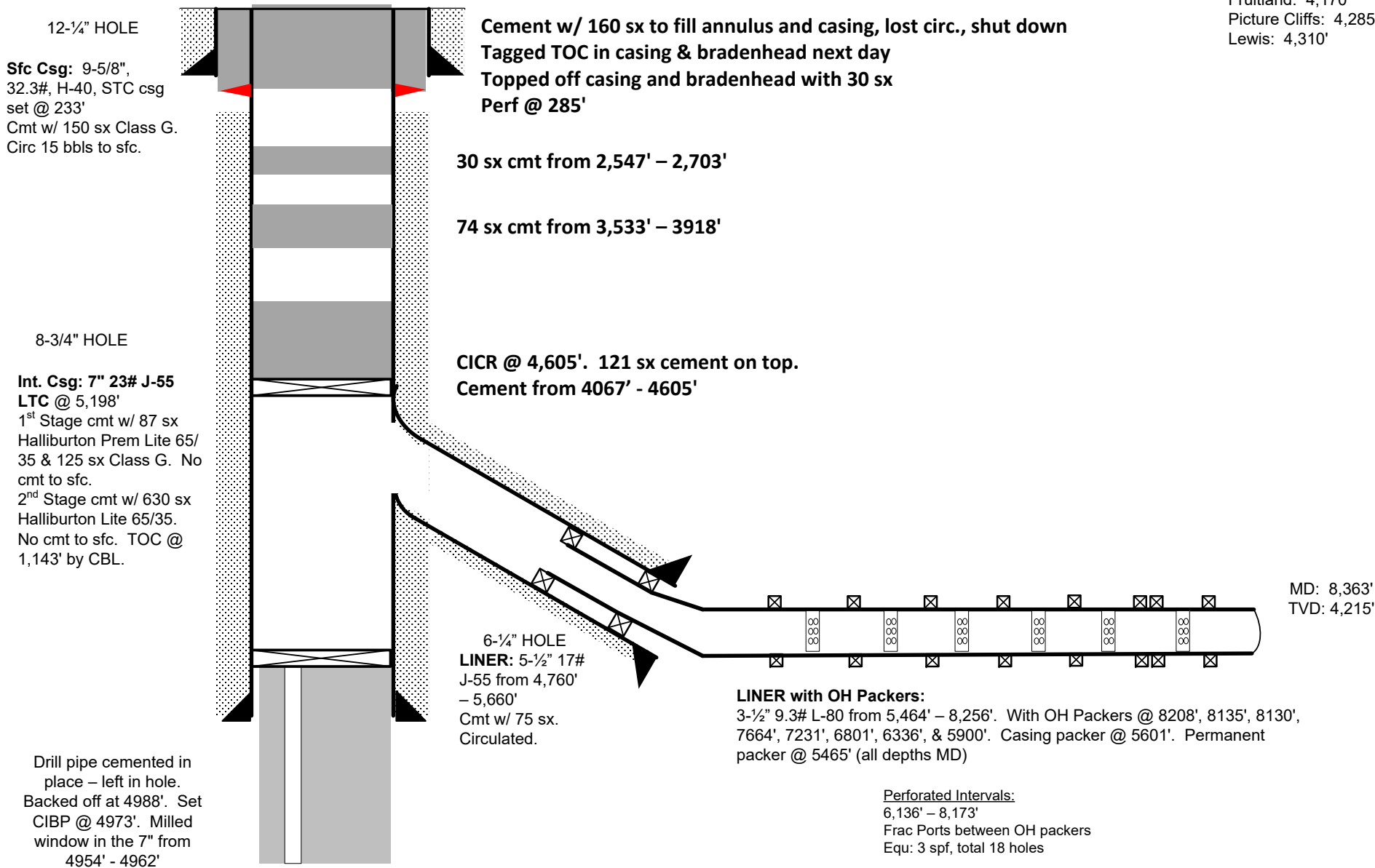
API 30-039-27816

Updated: 09-29-2020
 Spud Date: 07-02-2008
 Completed: 10-31-2008
 Plugged: 09-29-2020

Nacimiento: 2,648'
 Ojo Alamo: 3,635'
 Kirtland Shale: 3,865'
 Fruitland: 4,170'
 Picture Cliffs: 4,285'
 Lewis: 4,310'

Final P&A WBD

GL: 7,548'



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 60701

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 60701
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	11/15/2021