## **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018 5. Lease Serial No.

SUNDRY	NMSF079485A								
Do not use the abandoned we	6. If Indian, Allottee or Tribe Name								
SUBMIT IN	7. If Unit or CA/Agree	ment, Name and/or N	o.						
Type of Well     ☐ Oil Well ☐ Gas Well ☑ Oth	8. Well Name and No. SAN JUAN 30-4 UNIT 105								
Name of Operator SOUTHLAND ROYALTY COM	9. API Well No. 30-039-30158-00-S1								
3a. Address 400 W 7TH STREET FORT WORTH, TX 76102	<ol> <li>Field and Pool or Exploratory Area BASIN FRUITLAND COAL</li> </ol>								
4. Location of Well (Footage, Sec., T		11. County or Parish, State							
Sec 18 T30N R4W SESW 118 36.807658 N Lat, 107.295773		RIO ARRIBA COUNTY, NM							
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICA	ΓE NATURE O	F NOTICE,	REPORT, OR OTH	ER DATA			
TYPE OF SUBMISSION			TYPE OF	ACTION					
☐ Notice of Intent	☐ Acidize	☐ Deep	en	☐ Product	ion (Start/Resume)	☐ Water Shut-O	Water Shut-Off		
_	☐ Alter Casing	☐ Hydi	raulic Fracturing	☐ Reclam	ation	☐ Well Integrity			
	□ Casing Repair	☐ New	Construction	☐ Recomp	olete	☐ Other			
☐ Final Abandonment Notice	☐ Change Plans	Plug	and Abandon	□ Tempor	porarily Abandon				
	☐ Convert to Injection	☐ Plug	Back	☐ Water I	Disposal				
following completion of the involved testing has been completed. Final At determined that the site is ready for final Southland Royalty Company In 9/21/2020.  Attached are the Daily and Ce	pandonment Notices must be fil inal inspection.  LC has plugged and abar ement Reports and the Fir	ed only after all r	equirements, includ	ing reclamatio	n, have been completed an	-4 must be filed once and the operator has			
Co	# Electronic Submission For SOUTHLAND RO Inmmitted to AFMSS for pro	YALTY COMP	ANY LLC, sent to	the Farmin	gton				
Name (Printed/Typed) CONNIE I	ALYST								
Signature (Electronic S	Submission)		Date 09/28/20	020					
	THIS SPACE FO	R FEDERA	L OR STATE	OFFICE U	SE				
Approved By ACCEPT	ED	JOE KILLII <sub>Title</sub> ENGINEER	NS R		Date 09/30/	2020			
Conditions of approval, if any, are attache certify that the applicant holds legal or equ which would entitle the applicant to condu	uitable title to those rights in the		Office Farming	ton					
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent				willfully to m	ake to any department or a	gency of the United			

(Instructions on page 2)

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

## Revisions to Operator-Submitted EC Data for Sundry Notice #531738

**Operator Submitted BLM Revised (AFMSS)** 

ABD SR ABD Sundry Type: SR

Lease: NMSF079485A NMSF079485A

Agreement:

Operator: SOUTHLAND ROYALTY COMPANY LLC SOUTHLAND ROYALTY COMPANY LLC

400 W 7TH ST FORT WORTH, TX 76102 400 W 7TH STREET FORT WORTH, TX 76102

Ph: 871.334.8302 Ph: 817-334-7882

Admin Contact:

ERIC KITTINGER REGULATORY SUPERVISOR E-Mail: EKITTINGER@MSPARTNERS.COM

ERIC KITTINGER REGULATORY SUPERVISOR E-Mail: EKITTINGER@MSPARTNERS.COM

Ph: 817-334-8302 Ph: 817-334-8302

CONNIE BLAYLOCK REGULATORY ANALYST E-Mail: CBLAYLOCK@MSPARTNERS.COM Tech Contact:

CONNIE BLAYLOCK REGULATORY ANALYST E-Mail: CBLAYLOCK@MSPARTNERS.COM

Ph: 817-334-7882 Ph: 817-334-7882

Location:

State:

NM RIO ARRIBA NM RIO ARRIBA County:

**BASIN FRUITLAND COAL BASIN FRUITLAND COAL** Field/Pool:

SAN JUAN 30-4 UNIT 105 Sec 18 T30N R4W SESW 1180FSL 1965FWL Well/Facility:

SAN JUAN 30-4 UNIT 105 Sec 18 T30N R4W SESW 1180FSL 1965FWL

36.807658 N Lat, 107.295773 W Lon 36.807658 N Lat, 107.295773 W Lon



# **CEMENT JOB DETAIL SHEET**

CUSTOME	R:		SOUTHL	AND ROY	ALTY COMI	PANY	DATE:		September	18, 2020	API Number:	30-039-30	158	TYPE OF JOB:		P&A	
LEASE & V	VELL NAME	<b>:</b> :	San Juar	n 30-4 Unit	105		LOCATION		Sec 18 T30	N R04W	SERVICE SUP:		MICHEL C	RANE			
SERVICE (	CONTRACT	OR:	840				OPERATO	R:	AWS			COUNTY:		RIO ARRIBA	STATE:	NEW	MEXICO
MATERIAL	S FURNISH	HED:			TYPE OF PLU		LIST	SG. HARI	OWARE:	SQUEEZE	TOP			IYSICAL SLURR			
					TOM	N/A				MANIFOLD:	OF	SLURRY	SLURRY	WATER	PUMP	SLURRY:	MIX
				ВО	ТТОМ	0				NO	EACH FLUID:	WEIGHT: Lb/gal	YIELD: Cuft/sk	REQ.: Gals/sk	TIME: hr:mm	bbls	WATER: bbls
PRE-FLUS	H - FRES	SH WATER															
AVAII ABI E A	AIV WATER.	50.0	BBLS		AVAII ABLE I	DISPLACEMENT	WATED.	100.0	BBLS						TOTAL M	IX WATER:	0.0
AVAILABLE N	HOLE	50.0	BBLS		CSGD.P.	JISPLACEMENT	WATER:		-CSGD.P.					COLLAR DEPTH		IX WATER:	0.0
SIZE	% EXCESS	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT		DEPTH			SHOE	FLOAT	STAGE	1	
12 1/4	100	2,000	9 5/8	32.30	H-40	2,000	7	23.00	J-55	4,160			0	0	0		
6:35	LAST C		D===:	-	-CMT RET-BR		PERF DE		4		ONNECTION				LBORE FLUID	14/515: :-	
SIZE 4 1/2	WEIGHT 11.60	J-55	DEPTH 4,746		D & TYPE N/A	DEPTH N/A	TOP <b>0</b>	BOTTOM <b>0</b>	4	SIZE 2 3/8	THREAD 8 ROUND	1		TYF FRESH		WEIGHT 8.30	
		EMENT VOLU		CAL. PSI		MAX PSI	OP. MAX		TBG. PSI		CASING PSI			DISPLACEMENT F		1	ATER
TUBING	CASING	CASING	TOTAL	BUMP PLUG		EVERSE	SQ. PSI	RATED	OP	RATED	OP OP			TYPE	WEIGHT		URCE
				0		0	500 PSI	0	0	0	0		FRE	SH WATER	8.30		WATER
		UBLE SETTING PRIOR TO CE															
KUNNING C	ASING, ETC.,	PRIOR TO CE	WENTING:														
		PUMP DE	TAILS:								DAILY SU	MMARY:					
TIME	PRESSU	JRE - PSI	RATE	BBL FLUID	FLUID	SAFETY MEETIN	NG:	CREW	<b>V</b>	CO. REP	✓						
HR: MIN:	PIPE	ANNULUS	BPM:	PUMPED:	TYPE:	TEST LINES:				0	PSI						
						CIRCULATING V	VELL RIG:			WPS							
5:00	-	-	-	-	-	Travel to loc.											
7:00	-	-	-	-	-	Service and	start equip,	pre trip									
7:30	-	-	-	-	-	Road unit an											
9:30						Spot in and I											
11:00						Check PSI or				tbg and BH	, BDW.						
11:15						ND well head											
12:15	-	-	-	-	-		nland tbg and TOOH, tally tbg.										
14:00	-	<u> </u>	-	-	-		7U 4-1/2" csg scraper and TIH to 4436'.										
15:15 16:30		_			_		FOOH, LD csg scraper.										
17:00		_	_	-	-		ecure well, SDFN. ravel to AWS yard.										
17.00						Haver to Av											
	-								-			-	-				
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BUMPED		I TO		ST	TOTAL	BBL CMT.	PSI		SPOT		LL SERVICING	CO REP.:			HEL CRANE		
PLUG:		JMP		OAT	BBL.	RETURNS/	LEFT ON		TOP	CUSTOME		IDE.		JA	SON PEACE		
N/A		UG: I/A		PMENT: I/A	PUMPED: 0.0	REVERSED: 1.5	CSG.:	_	MENT: 1163'	CUSTOME	R REP. SIGNATU	JKE:		CUSTOME	R AUTHORIZING AGEN	IT	
N/A	N	V PA	I N	/A	0.0	1.0	U		1103	1				222.000			



# **CEMENT JOB DETAIL SHEET**

CUSTOME					ALTY COMI			API Number:			TYPE OF JOB:	F JOB: <b>P &amp; A</b>					
LEASE & W SERVICE O			San Juar 840	1 30-4 Unit	105		LOCATION OPERATO		Sec 18 T30 AWS	IN KU4W	SERVICE SUP:	COUNTY:			STATE:	NEW	MEXICO
MATERIAL					TYPE OF PLU	JGS:		SG. HARD		SQUEEZE	TOP			YSICAL SLURR			
					OP	N/A				MANIFOLD:	OF	SLURRY	SLURRY	WATER	PUMP	SLURRY:	MIX
				BO	TTOM	0	<u> </u>			NO	EACH FLUID:	WEIGHT: Lb/gal	YIELD: Cuft/sk	REQ.: Gals/sk	TIME: hr:mm	bbls	WATER: bbls
PRE-FLUSH - FRESH WATER																	
Plug #1, PC, Fruitland and Kirtland Tops: M&P 18 sxs, 15.8# class G cmt, from 4424' to 4187' MD TOC, Disp w 15bbls											4,187	15.80	20.70	5.00		3.7	2.1
Plug #2, Ojo Alamo Top: M&P 22 sxs, 15.8# class G cmt, from 4091' to 3802' MD TOC, Disp w 14bbls of fresh.  Plug #3, Nacimiento Top: M&P 26 sxs, 15.8# class G cmt, from 2736' to 2394' MD TOC, Disp w 8.5bbls of fresh.											3,802 2394	15.80 15.80	25.30 29.90	5.00 5.00		4.5 5.3	2.6 3.1
Plug #4, Conductor Shoe and Surface: M&P 40 sxs, 15.8# class G cmt, from 337' to 0' TOC, until good cmt returns up 7											0	15.80	46.00	5.00		8.2	4.8
Plug #4-A, Top Off: M&P 12 sxs, 15.8# class G cmt to top off casing and cellur.									0	15.80	13.80	5.00		2.5	1.4		
					7	<b>V</b>											
AVAILABLE N		50.0	BBLS			DISPLACEMENT \	WATER:	100.0								IX WATER:	14.0
SIZE	HOLE % EXCESS	DEPTH	SIZE	WEIGHT	CSGD.P.	DEPTH	SIZE	WEIGHT	-CSGD.P. TYPE	DEPTH			SHOE	COLLAR DEPTH FLOAT	STAGE		
12 1/4	100	2,000	9 5/8	32.30	H-40	2,000	7	23.00	J-55	4,160			0	0	0		
0175	LAST C		DEDTU		-CMT RET-BR		PERF DE				ONNECTION				LBORE FLUID	WEIGHT	
SIZE 4 1/2	WEIGHT 11.60	J-55	4,746		O & TYPE V/A	DEPTH N/A	TOP <b>0</b>	воттом <b>0</b>		2 3/8	8 ROUND	1		FRESH V		WEIGHT 8.30	
CALCULA	TED DISPLAC	EMENT VOLU	ME; BBL	CAL. PSI	CAL.	MAX PSI	OP. MAX	MAX	TBG. PSI	MAX	CASING PSI			DISPLACEMENT F	LUID	W	ATER
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO R	0	SQ. PSI 500 PSI	RATED 0	ОР <b>0</b>	RATED 0	ОР <b>О</b>		FDE	TYPE SH WATER	WEIGHT 8.30		WATER
			<u> </u>			•	300 1 31	U					TIVE	OII WATER	0.50	OIII	WAILK
		JBLE SETTING															
RUNNING C	ASING, ETC.,	PRIOR TO CE	WENTING:														
		PUMP DE	TAILS:				DAILY SUMMARY:										
TIME	PRESSU		RATE	BBL FLUID	FLUID	SAFETY MEETIN	IG:	CREW		CO. REP	DO!	ł					
HR: MIN:	PIPE	ANNULUS	BPM:	PUMPED:	TYPE:	TEST LINES: CIRCULATING V	/ELL RIG:			WPS	PSI						
5:30	-		-	-	-	Travel to loc						Į.					
7:00	-	-	-	-	-	Service and	start rig and	d equip,	fill out JSA	held safety	mtg.						
7:30	-	-	-	-	-	Check PSI or			sg, 0 psi on	BH, no tbg i	n well, BDW.						
7:45 9:00						TIH w 4-1/2" Pressure tes			d test								
9:15										sh, pressure	test csg @ 550	psi, good t	est.				
10:00	-	•	-	-	-	Plug #1, PC,	Fruitland a	nd Kirtla	nd Tops: M	&P 18 sxs, 1	5.8# class G cm	t, from 442	4' to 4187'	MD TOC, Disp	w 15bbls of fre	sh.	
10:30	-	-	-	-	-	LD tbg to 4091', RU pump to tbg est circ w 1.5bbls of fresh.											
10:45 11:15	_	-	_	_	_	Plug #2, Ojo Alamo Top: M&P 22 sxs, 15.8# class G cmt, from 4091' to 3802' MD TOC, Disp w 14bbls of fresh.  LD tbg to 3766', reverse out w 17bbls of fresh.											
11:45						LD tbg to 273											
12:15						Plug #3, Nac	imiento To	o: M&P 2	6 sxs, 15.8	t class G cm	t, from 2736' to	2394' MD T	OC, Disp	w 8.5bbls of fres	h.		
12:45						LD tbg to 228				sh.							
13:15 14:00						RU WL, RIH				n BU w hhlo	DD WI						
14:30						TIH open end		ie @ 100	, est circ u	р вп w выѕ	, KD WL.						
14:45								e and Su	ırface: M&F	40 sxs, 15.8	# class G cmt, f	rom 337' to	ο <mark>0' ΤΟ</mark> C, ι	ıntil good cmt re	eturns up 7".		
15:15						LD all tubing											
15:30 16:15						RD work floo			a marker								
17:45										G cmt to to	p off casing and	cellur.					
18:00						Wash up equ											
19:00						Travel to AW	S yard.										
										BLM REP C	ON LOC, DUSTIN	PORCH					
		-					•		•	•	•	-		•	•		
BUMPED	PSI			ST	TOTAL	BBL CMT.	PSI		РОТ		LL SERVICING (	O REP.:			HEL CRANE		
PLUG:	BU			DAT	BBL.	RETURNS/	LEFT ON		TOP	CUSTOMER		IDE.		JAS	SON PEACE		
N/A							CUSTOMER	R REP. SIGNATU	IKE:		CUSTOME	R AUTHORIZING AGEN	IT				



## Final P&A WBD

PLUG 4

-Perf 4.5" csg @ 100'

inside 4.5" casing

MD in annulus

-Place cmt from 337'-0' MD

-Circulate cmt from 100'-0'

GL = 7,423 ft KB = 7,438 ft

API# 30-039-30158

Spud Date: 09/12/2008 First Vertical Sidetrack: 04/19/2009 Second Vertical Sidetrack: 05/09/2009

Nacimiento BLM - 2503' MD/2360' TVD

Nacimiento OCD - 2661' MD/2505' TVD

Ojo Alamo BLM - 3903' MD/3510' TVD Ojo Alamo OCD - 4022' MD/3620' TVD

Kirtland OCD - 4287' MD/3875' TVD

Fruitland BLM - 4383' MD/3970' TVD

Perfs: 4476'-4520'

96 holes

TD: 4748' MD

PBTD: 4700'

P&A: 9/21/2020

# San Juan 30-4 Unit #105 Rio Arriba County, NM

Mainbore: TD @ 4219'; Fish @ 3914'; PBTD @ 3840' Vertical Sidetrack:TD – 4,269' MD; PBTD – 4,264' Horizontal Sidetrack: TD – 5,831' MD; PBTD – 5,800' MD

17.5" hole to 285' Conductor Csg: 6 jts 13.375" 48# H-40 LT&C Setting Depth: 284'

#### Cement

265sx Class G, 1/4#/sx flocele, 2% CaCl2 Circulate 5 bbls to surface

8.75" hole to 4610' Intermediate Csg: 112 jts 7.0" 23# J-55 LT&C Setting Depth: 4160'

#### Cement

First stage: 150sx 65/35 Class G, 5#/sx gilsonite, ½#/sx flocele Circulate 38 bbls to surface Circulating between stages Second Stage: 575sx Class G 65/35 cmt 2% CaCl2, 10#/sx gilsonite, ½#/sx flocele

Circulate 55 bbls to surface

Set temporary plug in the 7" 23 ppf intermediate casing, due to drilling restrictions, continue drilling 4/1/2009

Began drilling lateral w/ 6.25" bit, BHA stuck at 5249'. Backed off drill pipe at 4409', set 7" plug at 4200'. Load 7" with 100bbls 2% CaCl2 with EE-6 BACT & ANHIB II packer fluid. RIH 32 jts 2.375" killstring, no BOP

Bridge plug set at 4316'/4098' MD/TVD. Now sidetracking well due to economic constraints.

12.25 Hole to 2000' Surface Csg: 44 jts 9.625" 32.3# H-40 ST&C Setting depth: 2000'

### Cement

Lead: 390sx light premium, 1/4/sx flocele, 2% CaCl2 Tail: 380sx class G 1/4/sx flocele Cement 20 bbls to surface

6.25" hole to 4748' 112 jts 4.5" 11.6# J-55 LT&C casing

### Cement

Setting depth: 4746'

Lead: 320sx class G 10#/sx gilsonite, ½/# flocele, 2% CaCl2 Tail: 220sx class G, 1% bentonite, 0.2% defoamer, 0.4% halad-344, 5#/sx gilsonite, ½/#/sx flocele TOC 1200' from CBL

Perf Fruitland 4476'-4482', 4502'-4520' 96 holes, 4 SPF Acidized W/ 1000 gal 15# HCL Frac W/ 103 371 gal Delta 140 & 102 70

Frac w/ 103,371 gal Delta 140 & 102,700# 20/40 sand

Abandon First Sidetrack 05/08/2009
5.5" csg in hole, TOF @ 1700'
Pump first cmt plug 1300'-1500'
40sx class G
Second cmt plug 900'-1100'
40sx class G

6 ¼" Hole TD: 4832'

-Top off casing and cellar Fruitland OCD - 4425' MD/4012' TVD -Total cmt used: 52 sacks Pictured Cliffs OCD - 4554' MD/4140' TVD Pictured Cliffs BLM - 4574' MD/4160' TVD PLUG 3 26 sx cmt from 2394' - 2736' MD (2261'-2574' TVD) 7" CIBP @ 505' PLUG 2 Whipstock @ 500' 22 sx cmt from Mill Window 477'-490' 3802' - 4091' MD (3422'-3686' TVD) 7" CIBP @ 1006' PLUG 1 Whipstock @ 984' Mill Window 973'-987' CICR @ 4,424' MD 18 sx cmt on top From 4187'-4424' MD (3778'-4011' TVD) 1st Cmt Plug: 3954' - 4154' 2<sup>nd</sup> Cmt Plug: 3384' - 3784' \*\*Sidetrack S Curve\*\* 3rd Cmt Plug: 2250' - 2400' (05/26/2009) 4.5" Casing Cemented

7" CIBP 4200'

7" CIBP 4316'

Fish in Hole - 10/16/2008

Directional BHA 4409'-5249'

TOF/PBTD: 4409' KB

TD: 5209' KB

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

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 60696

## **CONDITIONS**

Operator:	OGRID:
MorningStar Operating LLC	330132
400 W 7th St	Action Number:
Fort Worth, TX 76102	60696
	Action Type:
	[C-103] Sub. Plugging (C-103P)

### CONDITIONS

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