

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.
NMSF078201

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.
NMNM89414

1. Type of Well

Oil Well Gas Well Other: COAL BED METHANE

8. Well Name and No.
FEDERAL 29-9-12 2

2. Name of Operator

SOUTHLAND ROYALTY COMPANY LLC
Contact: CONNIE BLAYLOCK
LE Mail: CBLAYLOCK@MSPARTNERS.COM

9. API Well No.
30-045-28738-00-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
BASIN FRUITLAND COAL

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

Sec 12 T29N R9W NENE 1070FNL 0820FEL
36.743286 N Lat, 107.723480 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 followed the procedure below for the plug and abandonment of the well, 10/1/18-10/3/18:
MIRU. TOOH w/tubing. RIH w/casing scraper to 2722ft. POOH and LD scraper.
Set CIBP at 2700ft. Attempt to pressure test casing - no test. Mix and pump 34 sx 15.8# Class G cmt on top of CIBP. WOC. TIH and tag plug at 2430ft. Attempt to load and test casing - no test. Pump 45 sx 15.8# Class G cmt from 1981-1594ft. WOC overnight.
Tag top of plug 2 at 1605ft. Attempt to load and test csg - no test. Perforate 5 1/2in casing at 322ft with 3 shots. Pump inside 5 1/2in casing and into 5 1/2in x 8 5/8in annulus with 15.6# Class G cmt with 38 sx inside 5 1/2in and 142 sx in annulus until good cmt returns. WOC. Tag TOC at 205ft. Cut off wellhead - found TOC in annulus at 10ft. Obtained approval from BLM rep to vacuum 5 1/2in csg down to 50ft and top off with 16 sx. Set P&A marker.
Attached are Daily Reports with cement and Final WBD.
The Reclamation Plan will filed with a separate sundry.

NMOCD
NOV 15 2018
DISTRICT III

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

**Electronic Submission #442178 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 11/09/2018 (18JWS0084SE)**

Name (Printed/Typed) CONNIE BLAYLOCK

Title REGULATORY TECH

Signature (Electronic Submission)

Date 11/01/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**

JACK SAVAGE
Title PETROLEUM ENGINEER

Date 11/09/2018

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 PV

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AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: SOUTHLAND ROYALTY COMPANY DATE: October 1, 2018 API Number: 30-045-28738 TYPE OF JOB: P & A
LEASE & WELL NAME: Federal 29-9-12 #2 LOCATION: Sec 12 T29N R9W SERVICE SUP: Loren Woody
SERVICE CONTRACTOR: AWS 840 OPERATOR: AWS COUNTY: San Juan STATE: NEW MEXICO

Table with columns: MATERIALS FURNISHED, TYPE OF PLUGS, LIST CSG. HARDWARE, SQUEEZE MANIFOLD, TOP OF EACH FLUID, PHYSICAL SLURRY PROPERTIES (SLURRY WEIGHT, SLURRY YIELD, WATER REQ., PUMP TIME, SLURRY, MIX WATER).

Table with columns: PRE-FLUSH - FRESH WATER, PLUG #1 -

AVAILABLE MIX WATER: 130.0 BBLs AVAILABLE DISPLACEMENT WATER: 65.0 BBLs TOTAL MIX WATER: 0.0

Table with columns: HOLE, TBG.-CSG.-D.P., COLLAR DEPTHS, LAST CASING, PKR-CMT RET-BR PL-LINER, PERF DEPTHS, TOP CONNECTION, WELLBORE FLUID, PRODUCED WATER, DISPLACEMENT FLUID, WATER.

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

Table with columns: TIME, PUMP DETAILS (PRESSURE - PSI, RATE, BBL FLUID, FLUID), DAILY SUMMARY (SAFETY MEETING, TEST LINES, CIRCULATING WELL RIG).

Summary table with columns: BUMPED PLUG, PSI TO BUMP, TEST FLOAT EQUIPMENT, TOTAL BBL PUMPED, BBL CMT. RETURNS/ REVERSED, PSI LEFT ON CSG., SPOT TOP CEMENT, AZTEC WELL SERVICING CO REP., CUSTOMER REP. SIGNATURE.



AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: SOUTHLAND ROYALTY COMPANY DATE: October 2, 2018 API Number: 30-045-28738 TYPE OF JOB: P & A
 LEASE & WELL NAME: Federal 29-9-12 #2 LOCATION: Sec 12 T29N R9W SERVICE SUP: Loren Woody
 SERVICE CONTRACTOR: AWS 840 OPERATOR: AWS COUNTY: San Juan STATE: NEW MEXICO

MATERIALS FURNISHED:	TYPE OF PLUGS:		LIST CSG. HARDWARE:	SQUEEZE MANIFOLD:	TOP OF EACH FLUID:	PHYSICAL SLURRY PROPERTIES:						
	TOP	N/A				SLURRY WEIGHT: Lb/gal	SLURRY YIELD: Cuft/sk	WATER RED.: Gal/sk	PUMP TIME: hr:mm	SLURRY: bbls	MIX WATER: bbls	
PRE-FLUSH - FRESH WATER				NO		8.30						
Plug #1-Fruitland Perfs, M&P 34 sxs, 39.1 cu/ft, 15.8#, class G cmt from 2700' to 2408' TOC.					2,408	15.50	1.18				7.1	4.2
Plug #2-Kirtland and Ojo Alamo Top, M&P 45 sxs, 51.75 cu/ft, 15.8#, class G cmt from 1981' to 1594' TOC.					1,594	15.50	1.18				9.5	5.5

AVAILABLE MIX WATER:	130.0 BBLs	AVAILABLE DISPLACEMENT WATER:	65.0 BBLs	TOTAL MIX WATER:	9.7								
HOLE		TBG.-CSG.-D.P.											
SIZE	% EXCESS	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SHOE	FLOAT	STAGE
12 1/4	100	275	8 5/8	23.00	J-55	272	1 1/2	2.90	J-55	2,700	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	TYPE	WEIGHT		
5 1/2	15.50	J-55	3,076	Weatherford	2,700	2,743	2,875	1 1/2	8 ROUND		8.50	PRODUCED WATER			

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	RATED	OP	TYPE	WEIGHT	SOURCE		
				0		0		500 PSI	0	0	0	0	FRESH WATER	8.30	WATER TRUCK		

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

PUMP DETAILS:						DAILY SUMMARY:						
TIME	PIPE	ANNULUS	RATE	BBL FLUID	FLUID	SAFETY MEETING:	CREW	CO. REP	TEST LINES	PSI	CIRCULATING WELL RIG:	WFS
5:30	-	-	-	-	-		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0		<input type="checkbox"/>	<input type="checkbox"/>
6:30	-	-	-	-	-	Travel to loc.						
8:00	-	-	-	-	-	Service and start equip, held safety mtg.						
9:00	-	-	-	-	-	Spot in and RU Bluejet WL, RIH w/ 5 1/2" CIBP to 2700' set POOH, RD WL						
10:30	-	-	-	-	-	TIH to TOCIBP @2700'.						
11:30	-	-	-	-	-	Wait on water truck.						
12:00	-	-	-	-	-	RU pump to tbq, load and est circ w/ 35 BBLs, pump 60 BBLs total, attempt to PT csg to 800 PSI, got a rate of 1.5 BPM @400 PSI, no test						
12:30	-	-	-	-	-	Plug #1, Fruitland Perfs, M&P 34 sxs, 39.1 cu/ft, 15.8#, class G cmt from 2700' to 2408' TOC.						
3:30	-	-	-	-	-	LD tbq, PUH to 1768'						
4:00	-	-	-	-	-	WOC. (OFF BID Item)						
4:30	-	-	-	-	-	TIH tag Plug #1 @2430' tag good, LD and PUH to 1981'						
5:00	-	-	-	-	-	RU tbq load and est circ w/ 15 BBLs, attempt to PT csg to 800 PSI, got a rate of 1.5 BPM @400 PSI no test.						
5:30	-	-	-	-	-	Plug #2, Kirtland and Ojo Alamo Top, M&P 45 sxs, 51.75 cu/ft, 15.8#, class G cmt from 1981' to 1594' TOC.						
6:30	-	-	-	-	-	BLM rep provided formation top to Kirtland and Ojo Alamo Plug making it from 1981' to 1701'						
6:30	-	-	-	-	-	LD tbq, PUH to 973', SIW, secure loc., SDFD.						
6:30	-	-	-	-	-	Travel to AWS yard.						

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



AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: SOUTHLAND ROYALTY COMPANY	DATE: October 3, 2018	API Number: 30-045-28738	TYPE OF JOB: P & A
LEASE & WELL NAME: Federal 29-9-12 #2	LOCATION: Sec 12 T29N R9W	SERVICE SUP: Loren Woody	
SERVICE CONTRACTOR: AWS 840	OPERATOR: AWS	COUNTY: San Juan	STATE: NEW MEXICO

MATERIALS FURNISHED:	TYPE OF PLUGS:		LIST CSG. HARDWARE:	SQUEEZE MANIFOLD:	TOP OF EACH FLUID:	PHYSICAL SLURRY PROPERTIES:							
	TOP	N/A				SLURRY WEIGHT: Lb/gal	SLURRY YIELD: Cuft/sk	WATER REQ.: Gals/sk	PUMP TIME: hr:mm	SLURRY: bbls	MIX WATER: bbls		
PRE-FLUSH - FRESH WATER				NO		8.30							
Plug #3, M&P 180sxs, 207.00 cu/ft, 15.6#, class G cmt from 322' to surface, w/ 38sxs in 5 1/2" csg, 142sxs in annulus						0	15.60	1.18				37.8	22.2
Top off set DHM w/ 16 sxs.						0	15.60	1.18				3.3	2.0

AVAILABLE MIX WATER: 130.0 BBLs	AVAILABLE DISPLACEMENT WATER: 65.0 BBLs	TOTAL MIX WATER: 24.2
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HOLE				TBG.-CSG.-D.P.				TBG.-CSG.-D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH		SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SHOE	FLOAT	STAGE
12 1/4	100	275	8 6/8	23.00	J-55		272	1 1/2	2.90	J-55	2,700	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		
5 1/2	16.50	J-55	3,076	Weatherford		2,700		2,743	2,875	1 1/2	8 ROUND	PRODUCED WATER		
CALCULATED DISPLACEMENT VOLUME: BBL			CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG. PSI	MAX CASING PSI	DISPLACEMENT FLUID		WATER		WEIGHT		
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO REVERSE	SQ. PSI	RATED	OP	RATED	OP	TYPE		WEIGHT	SOURCE
				0	0	500 PSI	0	0	0	0	FRESH WATER		8.30	WATER TRUCK

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

PUMP DETAILS:					DAILY SUMMARY:				
TIME HR. MIN.	PIPE PRESSURE - PSI	ANNULUS PRESSURE - PSI	RATE BPM	BBL FLUID PUMPED	FLUID TYPE	SAFETY MEETING:	CREW	CO. REP	TEST LINES
							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
							<input type="checkbox"/>	<input type="checkbox"/>	PSI
5:30	-	-	-	-	-				
6:30	-	-	-	-	-				Travel to loc.
8:30	-	-	-	-	-				Service and start equip, held safety mtg.
9:00									TIH tag Plug #2 @1605' tag good, TOOH and LD remaining tbq.
9:30									RU pump to csg load w/ 5 BBLs attempt to PT csg got circ out BH no test
11:30									RU Bluejet WL, RIH w/ 3 1/8" HSC to 322' perf 3 holes POOH, RD WL.
3:00	-	-	-	-	-				Plug #3, Surface, M&P 180 sxs, 207.00 cu/ft, 15.6#, class G cmt from 322' to surface, w/ 38 sxs in 5 1/2" csg, 142 sxs in annulus till good cmt to WOC.
3:30	-	-	-	-	-				WOC.
3:30	-	-	-	-	-				PU 7 jnts tag TOC @205' TOOH and LD tbq.
4:00	-	-	-	-	-				RD tbq equip, and work-floor, ND BOP.
4:30	-	-	-	-	-				RU welder cut off Well-head, found TOC @10' annulus.
5:00	-	-	-	-	-				RU vacuum truck vacuum 5 1/2" csg down 50' approve by BLM rep to top fill csg 50'
7:00	-	-	-	-	-				TOP off and set DHM w/ 16 sxs.
8:00	-	-	-	-	-				RD pulling unit, get equip ready for road, secure loc, SDFD.
									Travel to AWS yard.

Additional water and disposal due to circulation out of brain head through entire job. Also took additional cement due to the hole in well being under the surface perforations until good cement returns were approved by BLM.

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.: Loren Woody
N/A	N/A	N/A	0.0	1.5	0	1163'	CUSTOMER REP.: John Hampton
							CUSTOMER REP. SIGNATURE: _____
							CUSTOMER AUTHORIZING AGENT