

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.  
NMNM020498A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
14080017276

8. Well Name and No.  
EATON FEDERAL 1E

9. API Well No.  
30-045-24830-00-S1

10. Field and Pool or Exploratory Area  
BASIN DAKOTA

11. County or Parish, State  
SAN JUAN COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

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 15 T28N R11W NWNW 1110FNL 0885FWL  
36.666336 N Lat, 107.996689 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 Eaton Federal 1E as of 11/08/2019. The GPS location of the wellhead has been verified to be Lat. 36.666389, Long. 107.996944. Attached are the WBD, Daily Reports, Cement Reports, and CBL.

**NMOCD**  
**DEC 12 2019**  
**DISTRICT III**

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

**Electronic Submission #494962 verified by the BLM Well Information System  
For SOUTHLAND ROYALTY COMPANY LLC, sent to the Farmington  
Committed to AFMSS for processing by JOHN HOFFMAN on 12/10/2019 (20JH0086SE)**

Name (Printed/Typed) CONNIE BLAYLOCK Title REGULATORY ANALYST

Signature (Electronic Submission) Date 12/09/2019

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By **ACCEPTED** JOHN HOFFMAN Title PETROLEUM ENGINEER Date 12/10/2019

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.

*AV*

*5*

# Wellbore Diagram

Eaton Federal #1  
API #: 3004524830  
San Juan County, New Mexico

**Plug 7**  
670 feet - Surface  
670 feet plug  
140 sacks of Class G Cement  
40 sacks for top-off

**Plug 6**  
1600 feet - 1180 feet  
420 feet plug  
33 sacks of Class G Cement

**Plug 5**  
2190 feet - 1990 feet  
200 feet plug  
52 sacks of Class G Cement  
40 sacks squeezed

**Plug 4**  
3200 feet - 3000 feet  
200 feet plug  
16 sacks of Class G Cement

**Plug 3**  
4405 feet - 4205 feet  
200 feet plug  
66 sacks of Class G Cement  
50 sacks squeezed

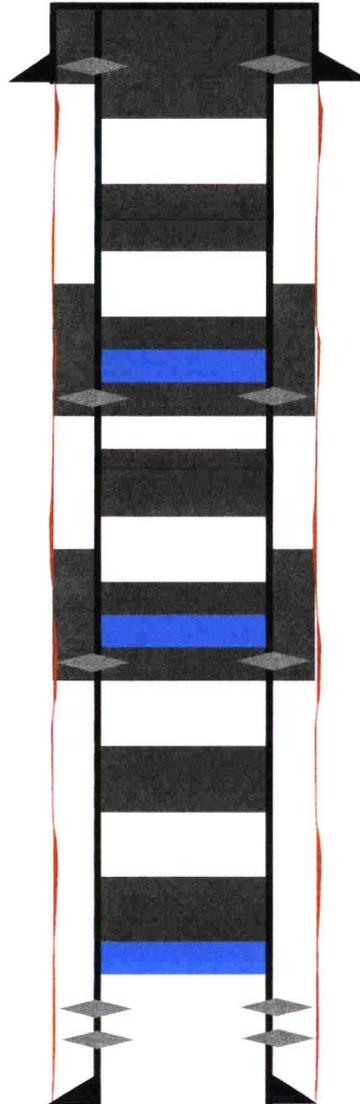
**Plug 2**  
5200 feet - 5000 feet  
200 feet plug  
16 sacks of Class G Cement

**Plug 1**  
5970 feet - 5789 feet  
181 feet plug  
16 sacks of Class G Cement

**Surface Casing**  
8.625" 24# @ 294 ft

**Formation**  
Ojo Alamo - 403 ft  
Kirtland - 517 ft  
Fruitland - 1325 ft  
Pictured Cliffs - 1566 ft  
Chacra - 2525 ft  
Cliff House - 3100 ft  
Point Lookout - 3885 ft  
Gallup - 5152 ft  
Greenhorn - 5972 ft  
Dakota - 6010 ft

**Production Casing**  
4.5" 10.5# @ 6300 ft



Retainer @ 2140 feet

Retainer @ 4350 feet

Retainer @ 5970 feet

**Perforations**  
P&A Squeeze Perfs  
4405 feet  
2190 feet  
190 feet

Production Perfs  
6013 feet - 6152 feet

EATON FEDERAL 1E DK

PLUG AND ABANDON

10/31/2019	MOL and R/U P&A rig. Recorded wellbore pressures (see wellbore pressures below) and bled down well. Dustin Porch was BLM inspector on location.
11/01/2019	Recorded wellbore pressures (see wellbore pressures below) and bled down well. N/D wellhead, N/U BOP and function tested. Killed well with 20 bbls of fresh water. TOOH with production tubing. While TOOH dropped standing valve down tubing and successfully pressure tested tubing to 1000 psi. P/U casing scraper and round tripped above top perforations at 6013'. P/U CR, TIH and set at 5970'. Shut-in well for the day. Dustin Porch was BLM inspector on location.
11/05/2019	Recorded wellbore pressures (see wellbore pressures below) and bled down well. R/U cementing services. Pumped plug #1 from 5970'-5770' to cover the Dakota perforations and formation top. WOC 4 hours. TIH and tagged plug #1 top at 5789'. Attempted to pressure test casing to 800 psi in which it failed to hold pressure. PUH. R/U cementing services. Pumped plug #2 from 5200'-5000' to cover the Gallup formation top. WOC overnight. Shut-in well for the day. Dustin Porch was BLM inspector on location.
11/06/2019	Recorded wellbore pressures (see wellbore pressures below) and bled down well. TIH and tagged plug #2 top at 5000'. Pressure tested casing to 800 psi in which it successfully held pressure. R/U wire line services. RIH and perforated squeeze holes at 4405'. Successfully established injection rate into perforations at 4405'. P/U CR, TIH and set at 4350'. R/U cementing services. Squeezed 50 sx of cement through CR at 4350' and into perforations at 4405'. Stung out of CR and spotted 16 sx of cement on top of CR at 4350' to cover Mancos formation top. PUH. Pumped plug #4 from 3200'-3000' to cover the Cliff House formation top. Shut-in well for the day. Dustin Porch was BLM inspector on location.
11/07/2019	Recorded wellbore pressures (see wellbore pressures below) and bled down well. R/U wire line services. RIH and perforated squeeze holes at 2190'. Successfully established circulation into perforations at 2190'. P/U CR, TIH and set at 2140'. Shut-in well for the day.
11/08/2019	Recorded wellbore pressures (see wellbore pressures below) and bled down well. R/U cementing services. Squeezed 40 sx of cement through CR at 2140' and into perforations at 2190'. Stung out of CR and spotted 12 sx of cement inside casing to cover the Chacra formation top. PUH. Pumped balanced plug from 1600'-1180' to cover the Pictured Cliffs and Fruitland formation tops. PUH. Pumped balanced plug from 670'-230' to cover the Kirtland and Ojo Alamo formation tops. R/U wire line services. RIH and perforated squeeze holes at 190'. Successfully established circulation down through perforations at 190' and back around and out Bradenhead valve at surface. Successfully circulated cement down through perforations at 190' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Installed P&A marker per BLM/NMOCD standards. Ran weighted tally tape down both casings and tagged cement 8' down in surface casing and 10' down in production casing. Ran 3/4" poly pipe down both casings and topped-off well with 40 sx of cement. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. Dustin Porch was BLM inspector on location.



## Treatment Report 1

**Customer:** DWS "SOUTHLAND"  
**Well Name:** EATON FEDERAL #1E  
**Job Type:** P&A  
**State:** NM  
**County:** SAN JUAN  
**API:** 30-045-24830  
**Legals:**

**Drake Energy Services**  
 607 West Pinon Street  
 Farmington NM, 87401  
 Office: (505) 327-7301  
 Fax: (505) 327-7304  
**DATE:** 11/8/2019

**OH Size:**

**Casing Size:** 4.5"

**Tubing Size:** 2.375"

	DENISTY	YIELD	MIX WATER
CEMENT	15.8	1.14	4.96

Date	Time	Volume of Fluid Pumped	Fluid Type	Pressure	Rate	Event
<i>mm/dd/yy</i>	<i>h:mm</i>	<i>bbls</i>	<i>name</i>	<i>psi</i>	<i>bpm</i>	<i>Description of operation and fluid pumped</i>
11/5/2019	7:00					ARRIVE TO LOCATION
	9:00					SAFETY MEETING
	9:30	0	H2O	1500	0	PRESSURE TEST Line 1500 psi
	9:45	5	H2O	300	2.2	CIRCULATE WELL 5 BBLS
	9:51	0	H2O	0	0	SHUT DOWN, BATCH MIX CEMENT
	10:01	3.2	CMT	145	1.2	3.2 BBLS ,16 SACKS CEMENT @ 15.8
	10:04	22.3	H2O	100	1.5	DISPLACE 22.3 BBLS
	10:24	0	H2O	0	0	SHUT DOWN, PULL TUBING
						TAG TOC @ 5789'
	14:46	7	H2O	200	2	CIRCULATE WELL 7
	14:51	0	H2O	0	0	SHUT DOWN , BATCH MIX CEMENT
	13:01	3.2	CMT	189	1.7	3.2 BBLS ,16 SACKS CEMENT @ 15.8
	13:06	19.3	H2O	120	2.2	DISPLACE 19.3
13:19	0	H2O	0	0	SHUT DOWN PULL TUBING	
11/8/2019	7:00					ARRIVE ON LOCATION
	7:45					SAFETY MEETING
	8:02	0	H2O	1500	0	PRESSURE TEST Line 1500 psi
	8:10	5	H2O	370	1.2	INJECTION TEST 5 BBLS
	8:19	0	H2O	0	0	SHUT DOWN , BATCH MIX CEMENT
	9:25	10.5	CMT	280	1.3	10.5 BBLS / 52 SACKS CMT @ 15.8
	9:35	7.6	H2O	270	1	DISPLACE 7.6 BBLS
	9:43	0	H2O	0	0	SHUT DOWN
	10:22	2	H2O	187	1.7	CIRCULATE WELL 2 BBLS
	10:24	0	H2O	0	0	SHUT DOWN , BATCH MIX CEMENT
<b>TOTAL:</b>						

Supervisor Signiture \_\_\_\_\_

