

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAIL ROOM

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator  
SOUTHLAND ROYALTY COMPANY

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
1750' FSL, 1050' FWL, Sec. 17, T-28-N, R-9-W, NMPM  
DHC-1142

5. Lease Number  
NM-01772A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Reid #10

9. API Well No.  
30-045-07452

10. Field and Pool  
Basin Fruitland Coal/  
Aztec Pictured Cliffs

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add the Fruitland Coal formation and commingle according to the attached procedure and wellbore diagram.

RECEIVED  
SEP 1 8 1995  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (JE3) Title Regulatory Administrator Date 9/7/95

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date **APPROVED**

CONITION OF APPROVAL, if any:

(2)

INMOCD

SEP 12 1995  
DISTRICT MANAGER

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Form C-  
Revised February 21, 1985  
Instructions on the back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-07452	Pool Code 71629/71280	Pool Name Basin Fruitland Coal/Aztec Pictured Cliffs
Property Code 10575	Property Name Reid	Well Number 10
OGRIID No. 21281	Operator Name SOUTHLAND ROYALTY COMPANY	Elevation 5820'

10 Surface Location

UL or lot no. L	Section 17	Township 28 N	Range 9 W	Lot Ida	Feet from the 1750	North/South line South	Feet from the 1050	East/West line West	County S.J.
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres W/320- 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>Not resurveyed, prepared from a plat dated 4-8-56 by Ernest V. Echohawk.</p> <p>1050'</p> <p>1750'</p>	<p>RECEIVED SEP 15 1995 OIL CON. DIV. DIST. 3</p>	17 OPERATOR CERTIFICATION <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 9-7-95 Date</p>
		18 SURVEYOR CERTIFICATION <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>8-16-95 Date of Survey Signature and Seal of Professional Surveyor: <i>Walter C. Edwards</i> Walter C. Edwards 0837 685 Certificate Number</p>

Reid #10  
Pictured Cliffs  
Section 17, T28N, R9W  
Elevation: 5820' GR

Current

Proposed

8-5/8", 24#, K-55  
Casing set @  
189' w/110 sx cmt

8-5/8", 24#, K-55  
Casing set @  
189' w/110 sx cmt

TOC calculated  
@ 75%  
1360'

TOC calculated  
@ 75%  
1360'

1", 1.7#, J-55 Tubing  
Landed @ 2093'

2-3/8", 4.7#, J-55 Tubing  
Landed @ 2100'

5-1/2", 14#, K-55  
Casing set @  
2119' w/150 sx cmt

5-1/2", 14#, K-55  
Casing set @  
2119' w/150 sx cmt

Pictured Cliffs  
Perforations:  
2062' - 2112'  
w/4 shots per foot  
Sand & Water Frac  
w/43,400 gals wtr  
50,000# sand

Fruitland Coal  
Perforations:  
1840' - 2040' 1839 - 2044'  
205' GR

Pictured Cliffs  
Perforations:  
2062' - 2112'  
w/4 shots per foot  
Sand & Water Frac  
w/43,400 gals wtr  
50,000# sand

Nacimiento	surface
Ojo Alamo	1020'
Kirtland	1125'
Fruitland	1835'
Pictured Cliffs	2063'

TD: 2119'  
PBTD: 2119'

TD: 2119'  
PBTD: 2119'

**Reid #10**  
**Fruitland Coal Recompletion/PC Commingle**  
**Unit L-Sec17-T28N-R09W**  
**1750' fsl & 1050' fwl**

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- Air package required.
  - Dig work pits for water recovery/flare pit, fence pits.
  - Comply with all BLM, NMOCD, and MOI rules and regulations.
  - Due to use of Nitrogen, fracture stimulation will take place during daylight hours.
  - **Always Hold Safety Meetings!**
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1. MIRU. Record tubing, casing, and Bradenhead pressures. Blow down well, kill 1" tubing w/ 2% KCl water. ND WH, NU BOP. Test all equipment.
2. PU on 1" tubing, note string weight. TOOH w/ 1", laying down for salvage (94 jts., 2083'). PU 2-3/8" J-55 EUE workstring w/ bit and casing scraper. Clean out w/air to PBTD @ 2119'. TOOH.
3. RU wireline, run GR-CCL from PBTD to 1800'. Note old perforations. Run in and wireline set CIBP @ 2050'. RD wireline.
4. TIH w/ 5-1/2" PKR and 2-3/8" tubing. Fill hole from bottom w/ 2% KCl. PU to 1800', test CIBP to 3800 psi. Release PKR, test casing string to 500 psi. Pull uphole and isolate casing leaks. (TOC calculated @ 1360') Engineering & drilling will provide squeeze procedures as necessary. All squeeze work will be performed prior to stimulation.
5. Drill out cement, test casing to 500 psi. Hold and record for 15 minutes on chart. If casing integrity is not sound, identify leaks, and further squeeze work/ stimulation modifications will be recommended. TOOH, standing back 2-3/8" tubing.
6. RU wireline. Run GR-CCL-CBL from 2050' to surface under 500 psi pressure.
7. RU wireline. Go in with 3-3/8" HSC gun with 10 gram Owen charges w/ 0.30" perforation diameter and perforate with 1 SPF and 180° phasing at the following depths:

1839'	1858'	1921'	1925'	1958'
1962'	2032'	2036'	2040'	2044'
(10 holes, 205' of interval)				

8. PU 2-7/8" frac string and 5-1/2" PKR, TIH to 1800'. Pump 200 gallons 7.5% HCl ahead, then pump 300 gallons acid, dropping 20 1.3 s.g. ball sealers in evenly spaced increments. Ball off to 3800 psi. Release pressure and displace acid. Release PKR and TIH, knocking balls below bottom perforation. Pull up and reset PKR @ 1800'.

***Fruitland Coal Stimulation***

9. RU stimulation company. Fracture stimulate the Fruitland Coal interval according to attached pumping schedule w/ 120,000# 20/40 sand, followed by 20,000# 20/40 resin-coated proppant w/activator, in 30# linear gel with 70Q foam at 50 BPM. **Max pressure is 3800 psi.** Tag pad w/ Sc-46, tag sand w/Ir-192, tag resin-coated proppant w/ Sb-124. Frac during daylight only.
10. SI well for eight hours to allow proppant to activate.

Reid #10  
Meridian Oil, Inc.  
7/7/95

11. Flow back well after frac on 1/4" choke at less than 20 BPH water. Open up to 2" line when pressure drops below 400 psi. Release PKR. TOOH. Lay down frac string.

12. PU bit and drill collars on 2-3/8" tubing. TIH clean out to CIBP @ 2050'. Pull uphole above perfs and obtain Pitot gauge. Drill CIBP and clean out to PBTD @ 2119'. Pull uphole, obtain final Pitot gauge. TOOH.

13. RU wireline, run multi-isotope afterfrac log from PBTD to 1700'. RD wireline. TIH w/ final production string as follows: expendable check, 1 joint 2-3/8", F nipple, and remaininng 2-3/8" tubing. Land tubing @ 2080'. ND BOP, NU WH. Pump off check w/ water. Flow well up tubing to verify check pumped off. RD and release rig to next location.

Approved:

J. Chywick 7/7/95  
Drilling Superintendent

Concur:

Boles 7/6/95  
Team Leader

JME 7/7/95  
JME

Suggested Vendors:

Cased Hole, Perforating  
Stimulation  
Multi-Isotope After-Frac  
Engineering

Basin Perforators	327-5124
Dowell Schlumberger	325-5096
Halliburton	325-3545
Joan Easley	599-4026-work
	327-3061-home
	324-2717-pager