

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
1540' FNL, 990' FEL, Sec.16, T-26-N, R-2-W, NMPM

5. Lease Number  
NM-4447

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Tapacitos #3

9. API Well No.  
30-039-24329

10. Field and Pool  
Blanco Mesaverde/  
Gavilan Mancos

11. County and State  
Rio Arriba Co, NM

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

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☒ Recompletion

☒ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Abandon Mancos

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug back the subject well to the Blanco Mesaverde formation and abandon the Gavilan Mancos formation according to the attached procedure and wellbore diagram.

RECEIVED  
SEP 20 1995

OIL CON. DIV.  
DIST. 3

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

Signed [Signature] Title Regulatory Administrator Date 9/6/95

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Chief Lands and Mineral Resources Date SEP 19 1995

CONDITION OF APPROVAL, if any:

Fluids contained in fractures.

District I  
PO Box 1540, 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-1  
Revised February 21, 1990  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-24329	<sup>2</sup> Pool Code 72319/27194	<sup>3</sup> Pool Name Blanco Mesaverde/Gavilan Mancos
<sup>4</sup> Property Code 10593	<sup>5</sup> Property Name Tapacitos	<sup>6</sup> Well Number 3
<sup>7</sup> OGRID No. 21281	<sup>8</sup> Operator Name SOUTHLAND ROYALTY COMPANY	<sup>9</sup> Elevation 7308'

<sup>10</sup> Surface Location

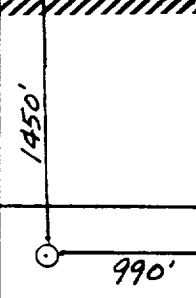
UL or lot no. H	Section 16	Township 26 N	Range 2 W	Lot Ida	Feet from the 1540	North/South line North	Feet from the 990	East/West line East	County R.A.
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<sup>11</sup> Bottom Hole Location If Different From Surface

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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<sup>12</sup> Dedicated Acres E/320-640	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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 7-7-88 by R. Howard Daggett.</p> <p><b>RECEIVED</b> SEP 20 1995 OIL CON. DIV. BUREAU 3</p>		<p><sup>17</sup> OPERATOR CERTIFICATION</p> <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</p> <p>Peggy Bradfield Printed Name</p> <p>Regulatory Administrator Title</p> <p>9-12-95 Date</p>
		<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>9-12-95 Date of Survey</p> <p><i>HERNANDEZ</i> Signature and Title of Surveyor</p> <p><b>HERNANDEZ</b> 8857 6850 Certificate Number</p>

## Tapacitos #3

Unit H, Section 16, T-26-N, R-2-W, Rio Arriba County, New Mexico  
Lat. 36-29-17, Long. 107-2-58

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Inspect location and install and/or test rig anchors. Install 3 frac tanks filled with 2% KCl. Comply with all BLM, NMOCD, Forestry, and MOI rules and regulations. **BE SAFE.**

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\*\*\*All vendors/service companies on location will be responsible for protection of the environment. Any questions call Lori Lantz at 599-4024.\*\*\*

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line and blooie line to flare pit.
2. Blow down tubing. If tubing will not blow down, kill well with 2% KCl water. ND WH, NU BOP.
3. TOOH with 7756' of 2-7/8" 6.5# J-55 EUE tubing. Visually inspect, tally, and stand back tubing. Record the location of any scale on tbg. Replace any bad joints.
4. PU 5-1/2" casing scraper on 2-7/8" tbg and TIH to approx 7100'. TOOH and LD casing scraper.
5. TIH w/ 5-1/2" cmt retainer on 2-7/8" tbg and set at 6954'. Pump 115 sks cement. This represents 100% excess cement. TOOH.
6. TIH w/ 5-1/2" pkr on 2-7/8" tbg and set pkr at 4150'. Pressure test casing to 4200 psi for 15 min. If pressure test fails, prepare to locate leak and repair casing, if necessary. Contact Production Engineering for casing repair schedule. TOOH.
7. RU wireline unit. Run GR-CBL-CCL from 6250' to 5500'. Top of good cement must be above 5510' to continue. Evaluate CBL and send copy to production and drilling.

### Point Lookout Stimulation:

8. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

5960' 5962' 5964' 5973' 5975' 5977' 5979'  
5981' 5983' 5985' 5987' 5989' 5992' 5996'  
6027' 6042' 6052' 6062' 6075' 6081' 6186'  
(42 total holes)

## Tapacitos #3

Unit H, Section 16, T-26-N, R-2-W, Rio Arriba County, New Mexico

Lat. 36-29-17, Long. 107-2-58

9. RD electric line unit. TIH w/ 5-1/2" pkr on 2-7/8" tbg. TIH and set pkr at 4150'.
10. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 5200 psi. **Maximum treating pressure is 4200 psi.** Pump 1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 63 7/8" (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
11. TIH w/ tbg and pkr and knock balls off perforations. Pull up and reset pkr at 4150'. Load backside and hold 500 psi. Monitor throughout frac job.
12. RU stimulation company. Pressure test surface treating lines to 6800 psi. **Maximum treating pressure at various rates is listed below.** Fracture stimulate the Point Lookout interval using 70Q foam according to the attached procedure (labeled *Point Lookout*).

Rate, bpm	Max Pressure, psi
0	4200
15	5800
30	5800

13. RDMO stimulation company. Flow back immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release pkr and TOOH w/ 2-7/8" tbg and pkr.
14. RU electric line unit. RIH w/ 5-1/2" RBP and set at 5711'. PU 5-1/2" pkr on 2-7/8" tbg. TIH and set pkr at 5835'. Pressure test RBP to 4200 psi for 15 min. TOOH. Dump 2 sks sand on RBP.

### Cliffhouse Stimulation:

15. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

**5560' 5580' 5587' 5597' 5603' 5605' 5611'**  
**(7 total holes)**

16. RD electric line unit. TIH w/ 5-1/2" pkr on 2-7/8" tbg. TIH and set pkr at 4150'.
17. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 5200 psi. **Maximum treating pressure is 4200 psi.** Pump 1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 11 7/8" (1.3 sg)
- LLL 9/6/95

### Tapacitos #3

Unit H, Section 16, T-26-N, R-2-W, Rio Arriba County, New Mexico  
Lat. 36-29-17, Long. 107-2-58

RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.

18. TIH w/ tbg and pkr and knock balls off perforations. Pull up and reset pkr at 4150'. Load backside and hold 500 psi. Monitor throughout frac job.
19. RU stimulation company. Pressure test surface treating lines to 6800 psi. **Maximum treating pressure at various rates is listed below.** Fracture stimulate the Cliffhouse interval using 70Q foam according to the attached procedure (labeled *Cliffhouse*).

Rate, bpm	Max Pressure, psi
0	4200
15	5800
30	5800

20. RDMO stimulation company. Flow back immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release pkr and TOOH w/ 2-7/8" tbg and pkr.
21. TIH w/ 2-7/8" tbg and notched collar and clean out to RBP set at 5711' with air until sand and water production is minimal (run retrieving head on last clean out run). **Obtain flow gauge and record as Cliffhouse.** Latch onto RBP and TOOH.
22. TIH 2-7/8" tbg with seating nipple and expendable check one joint off bottom and cleanout to 6250' with air and mist. Land tubing at approx 6186'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record flow gauge as Cliffhouse / Point Lookout.** Contact Production Operations for well tie-in. RDMO.

Approved: \_\_\_\_\_  
Regional Team Leader

Approved: \_\_\_\_\_  
Drilling Superintendent

### Pertinent Data Sheet - Tapacitos #3

Location: 1540' FNL, 990' FEL, Unit H, Sec 16, T-26-N, R-2-W  
Rio Arriba County, NM Lat 36-29-17, Long 107-2-58

Current Field: Gavilan Mancos

Spud: 11-5-88

Completed: 1-4-89

Elevation: 7308' GL

TD/PBTD: 7900' /

#### Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Grade</u>	<u>Depth Set</u>	<u>Cmt Vol./Top</u>
12-1/4"	9-5/8"	32.3# /	411'	300 sks / surf
8-3/4"	5-1/2"	17# / N-80 & K-55	7900'	310 sks / 6770' (calc)
			DV @ 6267'	230 sks / 5461' (calc)
			DV @ 4169'	950 sks / 841' (calc)

#### Tubing Record:

<u>Size</u>	<u>Weight/Grade</u>	<u>Depth Set/Jts.</u>	<u>Other</u>	<u>Depth</u>
2-7/8"	6.5# / J-55	7756' /		
			F-Nipple	7688'
			Perf Sub, 2 Tail Joints, Bull Plug	

#### Formation Tops:

Ojo Alamo	3406'	Cliffhouse	5538'
Kirtland	_____'	Menefee	5614'
Fruitland	3562'	Point Lookout	5912'
Pictured Cliffs	3733'	Mancos	6113'
Lewis	_____'	Gallup	6994'

Logging Record: DIT, FDC, CNT, BHTV, TS

Present Completions: Mancos 7329' - 7476' (Select-Fire)  
7146' - 7289' (Select-Fire)

Workover History: 1989 - Squeeze holes perfed at 4093'. Set cmt retainer and squeezed. Drilled out and tested squeeze holes to 1500 psi.

1993 - Proposal to sidetrack this well at high angle to produce Niobrara. Work was never done.

# Tapacitos #3

UNIT H, SEC 16, T-26-N, R-02-W, RIO ARRIBA COUNTY, NM  
Lat 36-29-17 Long 107-2-58

