

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN - 1 '94

O. C. D.  
ARTESIA, OFFICE

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
NM010907-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

RNM015

8. Well Name and No.

Empire 34 Federal # 1

9. API Well No.

30-015-23290

10. Field and Pool, or Exploratory Area

Undesignated Group 5

11. County or Parish, State

Eddy County, NM

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Southland Royalty Company

3. Address and Telephone No.

P.O. Box 51810 Midland, Tx 79710-1810

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

Sec. 34, T18S, R29E, SW/NE  
1980' FNL & 1980' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We respectfully request approval to plug and abandon the above referenced well.

Please find attached said procedures.

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

Signed

Donna Williams

Title

Production Assistant

Date

5/23/94

(This space for Federal or State office use)

Approved by

Craig S. Williams

Title

Production Assistant

Date

5/27/94

Conditions of approval, if any:

- ATTACHED -

Title 18 U.S.C. Section 1001, makes 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.

\*See Instruction on Reverse Side

BUREAU OF LAND MANAGEMENT  
CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

1. Approval: Plugging operations shall commence within 90 days from the approval date of plugging procedure.
2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet ; and a 5M system for a well not deeper than 22,727 feet.
4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks ( 50 pounds each ) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" , for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H" , for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

**Empire 34 Federal #1  
Eddy Undesignated Group 5  
Eddy County, New Mexico**

**Project Engineer: L. C. Painter**

**Office: 915/688-6823  
Residence: 915-694-6022**

**Plug and Abandon Procedure**

**Note: Notify NMOCD prior to any plugging operations.  
H<sub>2</sub>S may be present.**

Top of Salt: NA      Base of Salt: NA

1. Deliver 2,000' of 2 <sup>3</sup>/<sub>8</sub>" 4.7# N-80 tubing to location.
2. MIRU PU. ND WH. NU BOP. Kill well with 2% KCl water as needed.
3. Release Guiberson UNI-VI packer and POOH with 314 joints 2 <sup>3</sup>/<sub>8</sub>" 4.7# N-80 tubing, Guiberson type XL on/off tool, and UNI-VI packer.
4. RIH with CIBP for 4 <sup>1</sup>/<sub>2</sub>" 13.5# casing on tubing. Set CIBP at 9,860'. RU cementing equipment. Spot 10 sx Class "C" cement on top of CIBP. PUH to 9,600'. WOC.
5. Displace hole with 10 ppg gelled brine. POOH.
6. MIRU wireline unit. NU packoff head. RIH with CIBP for 4 <sup>1</sup>/<sub>2</sub>" 13.5# casing. Set CIBP at 8,940'. POOH.
7. RIH with dump bailer. Dump bail 5 sx Class "C" cement on top of CIBP at 8,940'. POOH. ND packoff head.
8. RU 4 <sup>1</sup>/<sub>2</sub>" casing lift sub. RIH on wireline with 4 <sup>1</sup>/<sub>2</sub>" casing jet cutters. Cut casing at 6,900'. POOH with wireline. RD wireline unit.
9. POOH, laying down, with 4 <sup>1</sup>/<sub>2</sub>" casing.
10. RIH with tubing to 6,950'. Spot 30 sx Class "C" cement (50' inside 4 <sup>1</sup>/<sub>2</sub>" stub, 70' in open hole assuming 50% excess).

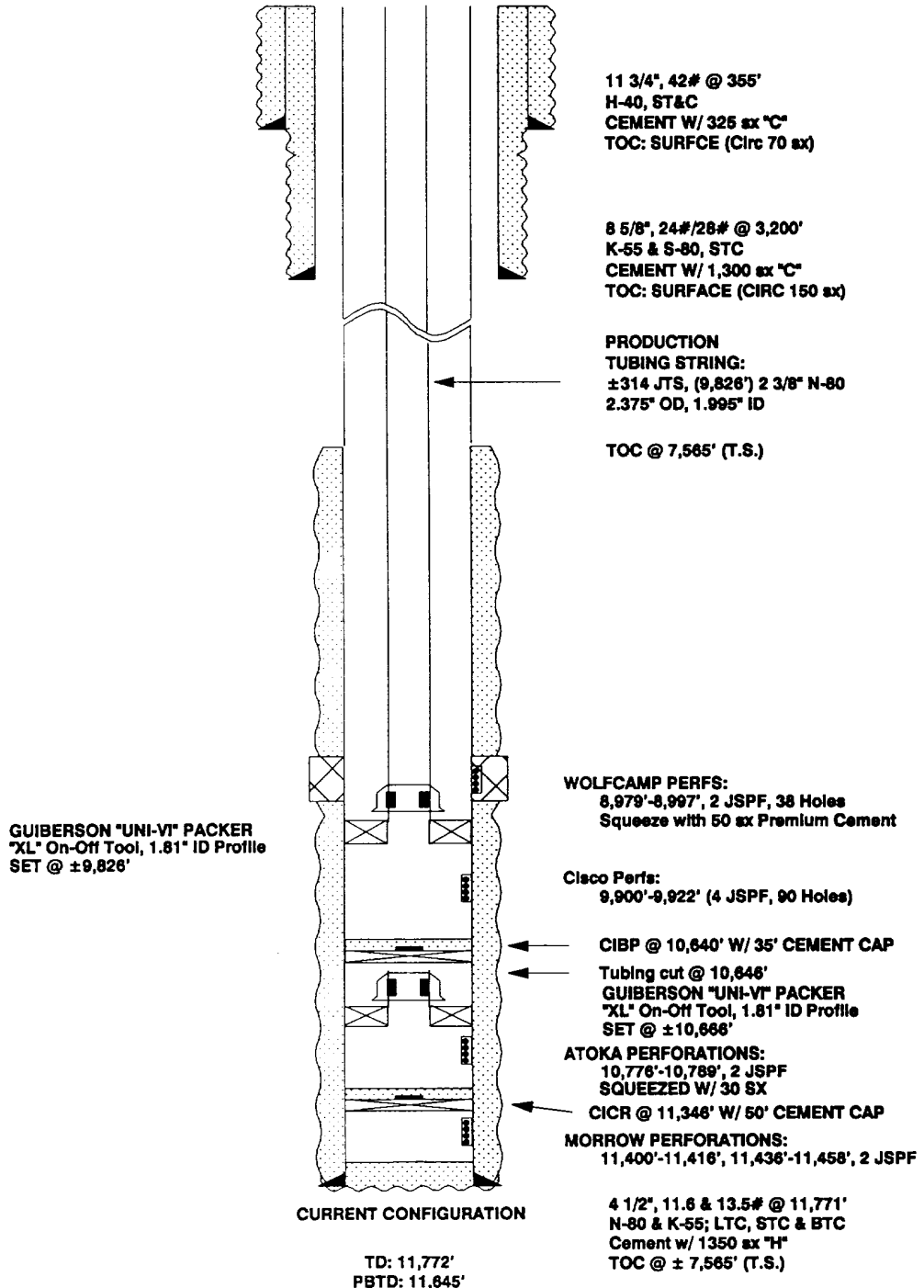
**Empire 34 Federal #1**  
**Plug and Abandon Procedure**  
**Page Two**

11. PUH with tubing to 5,050'. Spot 60 sx Class "C" cement (156' plug).
12. PUH to 3,260'. Spot 45 sx Class "C" cement (60' in open hole, 81' in 8 <sup>5</sup>/<sub>8</sub>" casing). **TAG PLUG.**
13. PUH to 1,760'. Spot 35 sx Class "C" cement (129' plug).
14. PUH to 410'. Spot 20 sx Class "C" cement (75' plug). **TAG PLUG.**
15. ND BOP. PUH to 35'. Fill top of 8 <sup>5</sup>/<sub>8</sub>" casing to ±3' below surface with Class "C" cement (± 8.5 sx).
16. Cut off casing 3' below ground level. Weld steel plate and marker on casing stub.
17. Restore location as required.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_  
T. J. Harrington

# MERIDIAN OIL

**FIELD:** Eddy Undesignated Group 5      **DATE SPUD:** 05/11/80      **COMP:** 07/08/80  
**LEASE:** Empire 34 Fed      **WELL NO.** 1      **ELEVATION:** 3,420' G.L. / 3,434' K.B.  
**LOCATION:** 1,980' FNL & 1,980' FEL; SEC. 34, T-18-S, R-29-E  
EDDY COUNTY, NEW MEXICO



# MERIDIAN OIL

**FIELD:** Eddy Undesignated Group 5      **DATE SPUD:** 05/11/80      **COMP:** 07/08/80  
**LEASE:** Empire 34 Fed      **WELL NO.** 1      **ELEVATION:** 3,420' G.L. / 3,434' K.B.  
**LOCATION:** 1,980' FNL & 1,980' FEL; SEC. 34, T-18-S, R-29-E  
**EDDY COUNTY, NEW MEXICO**

