

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.  
LC 029387 A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. SHUGART A  
# 5

9. API Well No.  
30-015-0563800

10. Field and Pool, or Exploratory Area  
SHUGART (Y,SR,Q)

11. County or Parish, State  
EDDY COUNTY, NM

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

915-688-6943

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

L, 1650' FSL & 990' FWL

29, T18S, R31E

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 ADD YATES  
☐ 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.)\*

- MIRU service unit. POOH with: 148, 3/4" rods and pump. ND wellhead. NU BOP. POOH with  $\pm 118$  joints of 2 3/8", 4.7#, J-55 tubing and mud anchor.
- PU bit and scraper for 4 1/2", 10.5# casing on  $\pm 3,800'$  of 2 3/8", 4.7#, J-55 production tubing. POOH with tubing, LD bit and scraper.
- MIRU electric wireline unit. RU pack off head on BOP. RIH with 3 1/8" HSC perforating gun and CCL. Correlate CCL to GR/ CCL dated 4-18-77 and perforate the Lower Yates from 2,546' - 2,570' with 4 SPF, 90° phasing. POOH. RDMO electric wireline unit.
- PU "Sonic Hammer," shear sleeve and tubing check valve on  $\pm 2,540'$  of 2 3/8", 4.7#, J-55 tubing. NU "BIW" stripping head on BOP.
- MIRU stimulation company. RU stand pipe and bales as needed to allow  $\pm 60'$  of tubing movement during stimulation treatment. Pressure test surface lines to 6,100 psi.
- Start pumping 2% KCl water at 2 BPM. Verify on surface monitor that Sonic Hammer is functioning. With annulus open, wash the following perforated intervals with 50 gallons per foot of 2% KCl while passing Sonic Hammer continuously across perforations.

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

Signed Donna Williams Title PRODUCTION ASSISTANT

Date 11/4/93

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA

Title Petroleum Engineer

Date 11/29/93

Conditions of approval, if any:

7. Close annulus. Increase rate to 3 BPM. Treat the perforated intervals with 8,000 gallons of Resi-Sol acid as per the listed schedule while continuously moving the Sonic Hammer through the perforated interval(s).

Anticipated Pressure (tubing):	2,900 psi
Maximum Pressure (tubing):	6,100 psi
Maximum Pressure (casing):	3,500 psi
or Stripping Head rating	

NOTE: Pump  $\pm 100$  gallons of 2% KCl between connections.

8. PU and LD tubing check valve. Drop ball. Lower tubing to  $\pm 3,790'$ . Open shear sleeve and annulus. Circulate hole clean with 2% KCl. Monitor returns.
9. POOH with tubing and Sonic Hammer. PU RBP and treating packer for 4 1/2", 10.5# casing, on  $\pm 2,630'$  of 2 3/8", 4.7#, J-55 tubing. Set RBP at  $\pm 2,630'$ . PU to  $\pm 2,620'$ . Set packer.
10. MIRU fracture stimulation company. NU on 2 3/8" tubing. Pressure test surface lines and RBP to 6,100 psi.
11. Release packer and PU to  $\pm 2,400'$ . Set packer. NU frac valve on 2 3/8" tubing. Pressure test frac valve and surface lines to 6,100 psi. Place 500 psi on annulus and monitor throughout treatment.
12. Fracture Lower Yates with 6,500 gallons of 35# cross-linked gel and 20,000 lbs of 12/20 Brady sand down 2 3/8" tubing. See attached pump and breaker schedule.

Anticipated Rate:	18 BPM
Anticipated Pressure:	3,800 psi
Maximum Pressure:	6,100 psi

13. Record ISIP, 5, 10, 15 minute shut in pressures. SI for  $\pm 4$  hours.
14. RDMO frac company.
15. Flow back well as needed. RU foamed air unit. Clean out to top of RBP at  $\pm 2,630'$ . Flow well to stabilize and foam clean again. Latch on to RBP and release. POOH laying down retrieving tool and RBP.
16. PU 2 3/8" mud anchor, 1.781" SN and 2 3/8" x 4 1/2" TAC on  $\pm 2,510'$  of 2 3/8", 4.7#, J-55 production tubing. Set TAC with tubing above top perf at 2,546'. ND BOP. NU wellhead.

17. RIH with 2" x 1 1/2" x 12' pump,  $\pm 100 - 3/4$ " rods. Space out pump and hang on.  
RDMO service unit.

18. Turn over to production operations. Report well tests daily for 15 days via PDT.

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

Date: \_\_\_\_\_

# MERIDIAN OIL

FIELD: SHUGART (Yates 7RV Queen) DATE SPUD: 08/04/60 COMP: 10/24/60  
 LEASE: Shugart "A" WELL NO. 5 ELEVATION: 3,583' G.L. / 3,585' D.F.  
 LOCATION: 1,650' FSL & 990' FEL; SEC. 29, T-18-S, R-31-E  
EDDY COUNTY, NEW MEXICO

TUBING STRING:  
 ±121 JTS, (±3,730') 2 3/8" EUE, J-55  
 1.781" SN  
 15' MUD ANCHOR

ROD STRING:  
 148 - 3/4"  
 1 - 3/4" x 2' ROD SUB  
 1 - 2" x 1 1/2" x 12' Pump

Squeeze Perfs - 4: (4/77)  
 3,122' NO PI

Squeeze Perfs - 4: (4/77)  
 3,344' 35 SX

Squeeze Perfs - 4: (4/77)  
 3,532' 35 SX

Squeeze Perfs - 4: (4/77)  
 3,700' 35 SX

8 5/8", @ 691'  
 Grade & Thread Unknown  
 CEMENT W/ 75 sx  
 TOC: 122' (est)

7" Perforated @ 736' (4 Holes)  
 Squeezed w/ 100 sx, TOC Surface

4 1/2" x 7" Squeezed W/ 240 SX (4/77)  
 BOC @ ±2,000 (est)

INITIAL YATES PERFS:  
 2,540'-2,555'  
 Squeezed with 200 sx  
 Behind 4 1/2" Liner

7", 20.0# @ 2,725'  
 J-55, STC  
 CEMENT W/ 100 sx  
 TOC: ±1,400' (est)

Queen Perfs: (4/77)  
 3,174'-3,184'  
 3,196'-3,206'  
 3,212'-3,222'

Penrose Perfs: (4/77)  
 3,418'-3,428'  
 3,478'-3,484'  
 3,572'-3,580'  
 3,631'-3,635'

Premier Perfs: (4/77)  
 3,748'-3,758'  
 3,774'-3,784'

4 1/5", 10.5 & 9.5# @ 3,807'  
 J-55; STC  
 Cement w/ 300 sx  
 TOC @ 2,200' VIA TS

CURRENT CONFIGURATION

TD: 3,807'  
 PBD: 3,805'