

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210

Resubmittal  
c/sf

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

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  
MERIDIAN OIL INC.

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)  
SE/NE SEC. 29, T18S, R31E

5. Lease Designation and Serial No.  
LC 029387 C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. SHUGART APCO  
A # 3

9. API Well No.  
30-015-056300

10. Field and Pool, or Exploratory Area  
SHUGART YTS, 7RVS, QU

11. County or Parish, State  
EDDY COUNTY, NM

1980/N 760/E

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: 142, 3/4" rods and pump. ND wellhead. NU BOP. POOH with  $\pm 113$  joints of 2 3/8", 4.78, J-55 tubing and mud anchor.
- PU bit and scraper for 5 1/2", 14.0# casing on  $\pm 3,623'$  of 2 7/8", 6.5#, J-55 workstring POOH with tubing, LD bit and scraper.
- MIRU electric wireline unit. RU pack off head on BOP. RIH with 4" HSC perforating gun and CCL. Correlate CCL to CNL/GR/CCL dated 2-12-73 and perforate the Lower Yates from 2,558' - 2,577' and 2,590' - 2,597' 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 7/8", 6.5#, 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  $\pm 50$  gallons per perforated foot of 2% KCl while passing Sonic Hammer continuously across perforations.

Zone	Perforated Interval	2% KCl (gal.)	Resi-Sol (gal.)
Lower Yates	2,558' - 2,577'	950	1,000
	2,590' - 2,597'	350	500
Queen	3,256' - 3,305'	2,500	2,000
Penrose	3,523' - 3,547'	1,200	1,500
Totals:		3,700	5,000

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

Signed DONNA WILLIAMS

Title PRODUCTION ASSISTANT

Date 12/2/93

(This space for Federal or State office use)

Approved by (ORIG. SGD.) DAVID R. GLASS  
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date DEC 23 1993

7. Close annulus. Increase rate to 3 BPM. Treat the perforated intervals with 5,000 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  $\pm 3,550'$ . Open shear sleeve and annulus. Circulate hole clean with 2% KCl. Monitor returns.
9. POOH with tubing and Sonic Hammer. PU CIBP and treating packer for 5 1/2", 14.5# casing, on  $\pm 2,650'$  of 2 7/8", 6.5#, J-55 tubing. Set CIBP at  $\pm 2,650'$ . PU to  $\pm 2,620'$ . Set packer.
10. MIRU fracture stimulation company. NU on 2 7/8" tubing. Pressure test surface lines and CIBP to 6,100 psi.
11. Release packer and PU to  $\pm 2,400'$ . Set packer. NU frac valve on 2 7/8" 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 12,500 gallons of 35# cross-linked gel and 41,000 lbs of 12/20 Brady sand down 2 7/8" tubing. See attached pump and breaker schedule.

Anticipated Rate:	18 BPM
Anticipated Pressure:	3,000 psi
Maximum Pressure:	6,100 psi

Record ISIP, 5, 10, 15 minute shut in pressures. SI for  $\pm 4$  hours.

13. RDMO frac company.
14. Flow back well as needed. POOH with packer. PU bit and collars for 5 1/2", 14.0# casing on  $\pm 3,000'$  of 2 7/8", 6.5#, J-55 workstring.
15. MIRU foamed air unit. Clean out to top of CIBP at  $\pm 3,000'$ . Drill out CIBP and push down to top of cement retainer at  $\pm 3,623'$ . Allow well to stabilize and foam clean again. POOH laying down 2 7/8" workstring, collars and bit.
16. PU 2 3/8" mud anchor and 1.781" SN  $\pm 2,550'$  of 2 3/8", 4.7#, J-55 production tubing. Set above top perf at 2,558'. 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.

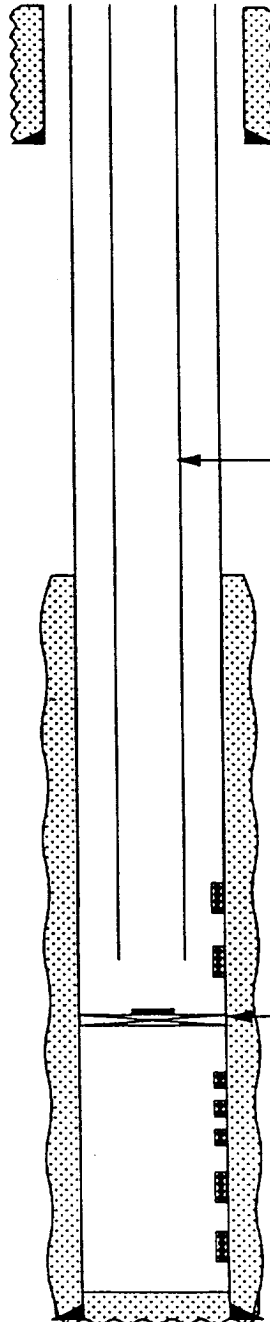
Approved: \_\_\_\_\_  
T. J. Harrington

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

# MERIDIAN OIL

FIELD: SHUGART (YTS, 7RV, QN,GBG, SA) DATE SPUD: 03/31/58 COMP: 05/07/58  
 LEASE: SHUGART APCO 'A' WELL NO. 3 ELEVATION: 3,615' G.L. / 3,621' K.B.  
 LOCATION: 1,980' FNL & 760' FEL; SEC. 29, T18S, R31E; Eddy County, New Mexico

Top of Salt @ ±690'  
 Base of Salt @ ±1,890'



8 5/8", 24# @ 218'  
 J-55, 8TC?  
 CEMENT W/ 125 sz  
 TOC: Surface (Circ)

TUBING STRING:  
 ±113 JTS, (±3,560') 2 3/8" J-55  
 1 8N (1.78" ID?)  
 OPEN ENDED MUD ANCHOR  
 ROD STRING:  
 ±142, 3/4" RODS  
 PUMP

Queen Perfs: (5/58)  
 3,256'-3,305'

Penrose Perfs: (5/58)  
 3,523'-3,547'

Cement Retainer @ 3,623' (5/73)  
 Squeeze w/ 75 sz  
 Premier Perfs: (4/73) -  
 3,690'-3,694'  
 3,704'-3,706'  
 3,712'-3,718'

Upper Greyburg Perfs: (4/73)  
 3,756'-3,764'

San Andres Perfs: (5/58)  
 4,086'-4,110'

8 1/2", 14.0# @ 4,150'  
 J-55, LTC?  
 W/ 250 sz  
 TOC @ ± 2,000 (Calc)

CURRENT CONFIGURATION

TD: 4,150'  
 PBTD: 4,150'

