

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 1301 W. Grand Ave., Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 May 27, 2004

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. <b>30-025-25568</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: <b>Lou Worthan</b>
8. Well Number <b>18</b>
9. OGRID Number <b>14021</b>
10. Pool name or Wildcat <b>Wantz Abo/Wantz Granite Wash/Tubb</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
 Oil Well  Gas Well  Other **DEC**

2. Name of Operator  
**Marathon Oil Company**

3. Address of Operator  
**P.O. Box 3487 Houston, TX 77253-3487**

4. Well Location  
 Unit Letter **H** : **1908'** feet from the **North** line and **860'** feet from the **East** line  
 Section **11** Township **22-S** Range **37-E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**GL 3355'**

Pit or Below-grade Tank Application  or Closure

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK  PLUG AND ABANDON

TEMPORARILY ABANDON  CHANGE PLANS

PULL OR ALTER CASING  MULTIPLE COMPLETION

OTHER:

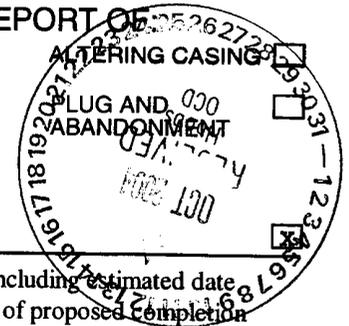
SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER: **Downhole Commingle**



13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

**Marathon Oil Company has completed work to add the Wantz Abo (62700) to the Lou Worthan No. 18, and downhole commingle the Wantz Abo with the Wantz Granite Wash (62730) and Tubb Oil & Gas (60240). Please see attachment for details of well work performed.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines  , a general permit  or an (attached) alternative OCD-approved plan

SIGNATURE Charles E. Kendrix TITLE Engineering Technician DATE 10/05/2004

Type or print name **Charles E. Kendrix**

E-mail address: **cekendrix@MarathonOil.com**  
 Telephone No. **713-296-2096**

**For State Use Only**

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE OCT 14 2004

Conditions of Approval, if any:

ORIGINAL SIGNED BY  
**PAUL F. KAUTZ**  
 PETROLEUM ENGINEER

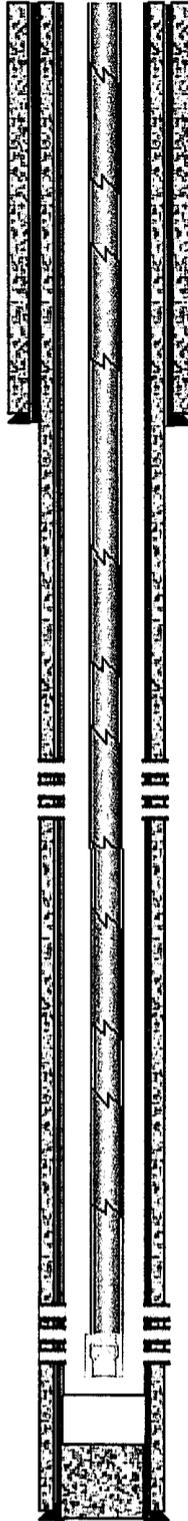
**Lou Worthan No. 18 Downhole Commingle  
Detailed Work Procedure Performed to DHC**

- 05/05/2004 RU PU Could not unseat pump. POOH w/ rods and pump rod. Swab tubing down.SDFN
- 05/06/2004 Swab down tubing, installed BOPE. Strip out of hole w/ 235 jts. 2 3/8" tubing. RIH w/ bit, casing scraper, and 67 jts 2 7/8" work string. SDFN
- 05/07/2004 Cont. in hole w/ bit and scraper. Tagged PBTD @ 7413' POOH w/ 250 jts, bit, and scraper. RIH w/ 20 jts for kill string. SDFWE
- 05/11/2004 POOH w/ kill string. RU perforators. Test Lubricator to 1000 psi. Perforate f/ 6511' – 6962' w/ 3 1/8" Slick Gun w/ 311T 23 gram charges w/ 2 spft 120 degree phasing in 9 runs. Dropped perforating gun down casing (bad rope socket). Rig down perforators. SDFN
- 05/12/2004 RU perforators finish perforating formation. Fished dropped perforating gun. RD perforators. RIH w/ RBP on 183 jts. SDFN
- 05/13/2004 Cont. in hole w/ RBP and packer. Acidize the Wantz Abo in three stages f/ 6511' to 6962' w/ 13500 gals 17% HCL acid@ 6 BPM @ 3000 psi. POOH above perfs w/ RBP and packer. SDFN
- 05/14/2004 RIH w/ work string. POOH laying down work string. RIH testing tubing. Ran Mud joint, seating nipple, Ceramic joint, and 233 jts 2 3/8" tubing. Bottom of tubing at 7376', seating nipple @ 7345'. RIH w/ rods and pump. Started well to pumping.



# Lou Worthan No. 18 before adding Wantz Abo

Marathon Oil Company  
 Lou Worthan No. 18  
 6-Oct-04



Surface Casing  
 9 5/8" 32# set @ 1250' Cmtd w/ 500 sks

Tubb Perfs 5,947' - 6,062'

Wantz Granite Wash perfs 7038' - 7403'

Fill @ 7413'

Production Casing  
 7" 23 & 26# Set @ 7549' Cmtd w/ 2275 sks

PBTD @ 7501'

TD @ 7551'

Well Name & Number:	Lou Worthan No. 18		Lease	Lou Worthan	
County or Parish:	Lea	State/Prov.	New Mexico	Country:	USA
Perforations: (MD)	See Above for detail		(TVD)	7549'	
Date Completed:	12/14/93				RKB:
Prepared By:	Charles Kendrix		Last Revision Date:	10/06/04	