

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. 30-025-25568
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: Lou Worthan
8. Well Number 18
9. OGRID Number 14021
10. Pool name or Wildcat Wantz Abo/Wantz Granite Wash/Tubb

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 <input type="checkbox"/> Gas Well <input type="checkbox"/> 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 <input type="checkbox"/> or Closure <input type="checkbox"/>
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 _____

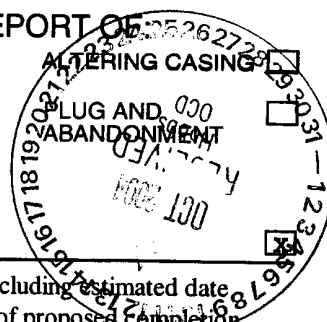
12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

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

Telephone No. **713-296-2096**

For State Use Only

APPROVED BY _____ TITLE _____ DATE OCT 14 2004

Conditions of Approval, if any:

**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 perforationg 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

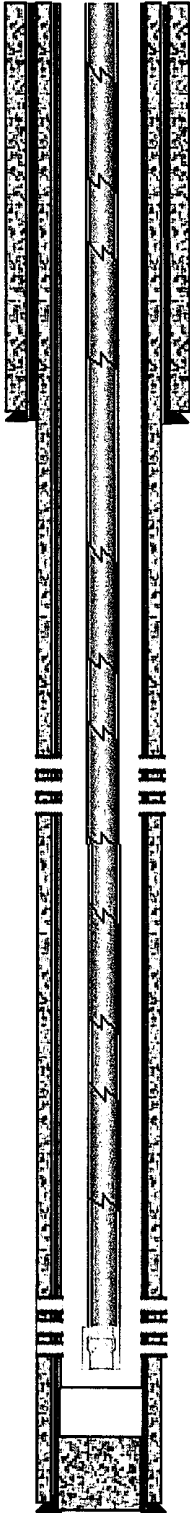
05/13/2004 Cont. in hole w/ RBP and packer. Acidize the Wantz Abo in three stages f/ 6511' to 6962' w/ 13500 gals 17% HCL acid@ 6 BPM @ 3000 psi. POOH above perfs w/ RBP and packer. SDFN

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' Cmt'd w/ 500 sks

Tubb Perfs 5,947' - 6,062'

Wantz Granite Wash perfs 7038' - 7403'

Fill @ 7413'

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

PBD @ 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	