

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

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

Form C-103

May 27, 2004

WELL API NO. 30-025-25304	
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 15	
9. OGRID Number 14021	
10. Pool name or Wildcat Wantz Abo/ Drinkard/ 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 checked="" type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Marathon Oil Company	
3. Address of Operator P.O. Box 3487, Houston Texas 77253-3487	
4. Well Location Unit Letter G : 1980 feet from the North line and 1860 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.) GR 3353'	
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: **Downhole Commingle** ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

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 requests permission to downhole commingle the Lou Worthan No. 15. This well is currently completed to the Tubb (86440). Prior to the Tubb recompletion, the well was downhole commingled in the Wantz Abo and Drinkard zones. Marathon wishes to pull the CTBP isolating those two zones from the Tubb and produce the three zones as a downhole commingled wellbore. Please see the attachments for details of the wells production and wellbore diagrams.

DHC Order No. HOB-0100

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. Kendrick**

TITLE **Engineering Technician** DATE **07/07/2004**

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

E-mail address: **cekendrix@MarathonOil.com**

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

For State Use Only

APPROVED BY **[Signature]**

TITLE **PETROLEUM ENGINEER**

DATE **NOV 24 2004**

Conditions of Approval, if any:

Lou Worthan No. 15
Downhole Commingle Attachment

- i) Pre-approved pool status was established by Division Order R-11363
- ii) Wantz Abo (62700), Drinkard (19190), Tubb Oil & Gas (86440).
- iii) Wantz Abo (6718'-6965'), Drinkard (6194'-6288') Tubb Oil & Gas (5772'-6128)
- iv) Wantz Abo (Oil 0%, Gas 7%, Water, 11%),
Drinkard (Oil 0%, Gas 24%, Water 5%),
Tubb (Oil 100%, Gas 69%, Water 84%)
Rates for the Wantz Abo and Drinkard are based on average daily actual production from January 01 to June 30, 2004. Rates for the Tubb are based on an average of well tests dated 08/05/2004 to 09/01/2004.
- v) The proposed commingling will not reduce the value of the total remaining production.
- vi) The ownership and ownership percentages are identical for the different zones.

Lou Worthan No. 15 Production Rates

	Jan-04			Feb-04			Mar-04			Apr-04			May-04			Jun-04		
Wantz Abo	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water
	0	1524	56	0	1397	37	0	1493	31	0	1587	73	0	1509	30	0	1735	57
Drinkard	Jan-04			Feb-04			Mar-04			Apr-04			May-04			Jun-04		
	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water
	0	5401	27	0	4953	18	0	5293	16	0	5625	36	0	5352	15	0	6153	27

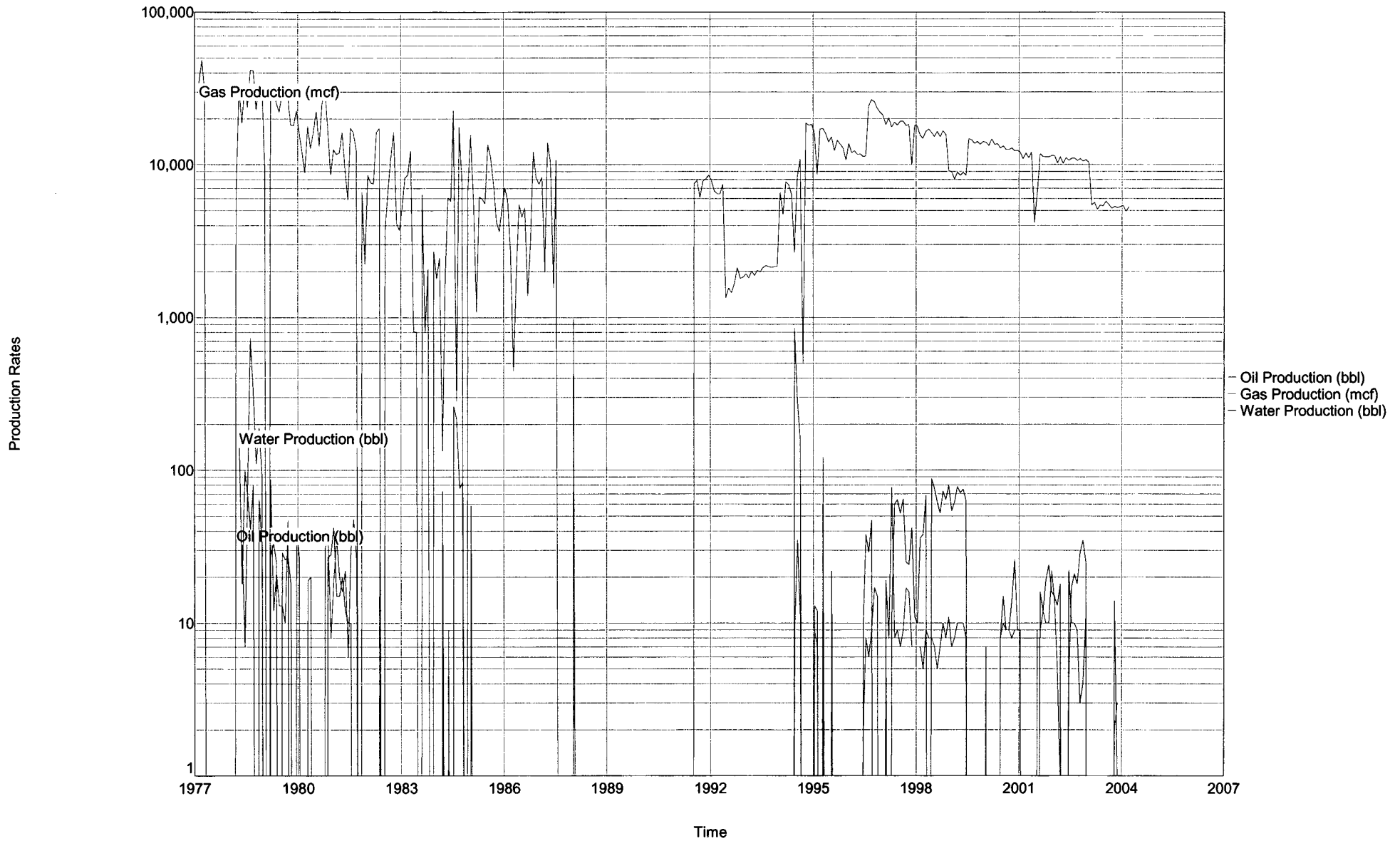
Daily Averages

	Oil	Gas	Water		Oil	Gas	Water		Oil	Gas	Water
Wantz Abo	0	1524	56	Drinkard	0	5401	27	Tubb	27	246	17
	0	1397	37		0	4953	18		22	232	23
	0	1493	31		0	5293	16		34	618	11
	0	1587	73		0	5625	36		24	614	12
	0	1509	30		0	5352	15		20	626	22
	0	1735	57		0	6153	27		19	607	10
									15	561	5
	0	50.52	1.55		0	179.11	0.76		18	530	0
									22.38	504.25	12.5

	Daily Oil	Oil Percent	Daily Gas	Gas Percent	Daily Water	Water Percent
Wantz Abo	0	0%	50.52	7%	1.55	11%
Drinkard	0	0%	179.11	24%	0.76	5%
Tubb	22.38	100%	504.25	69%	12.5	84%
	22.38		733.88		14.81	

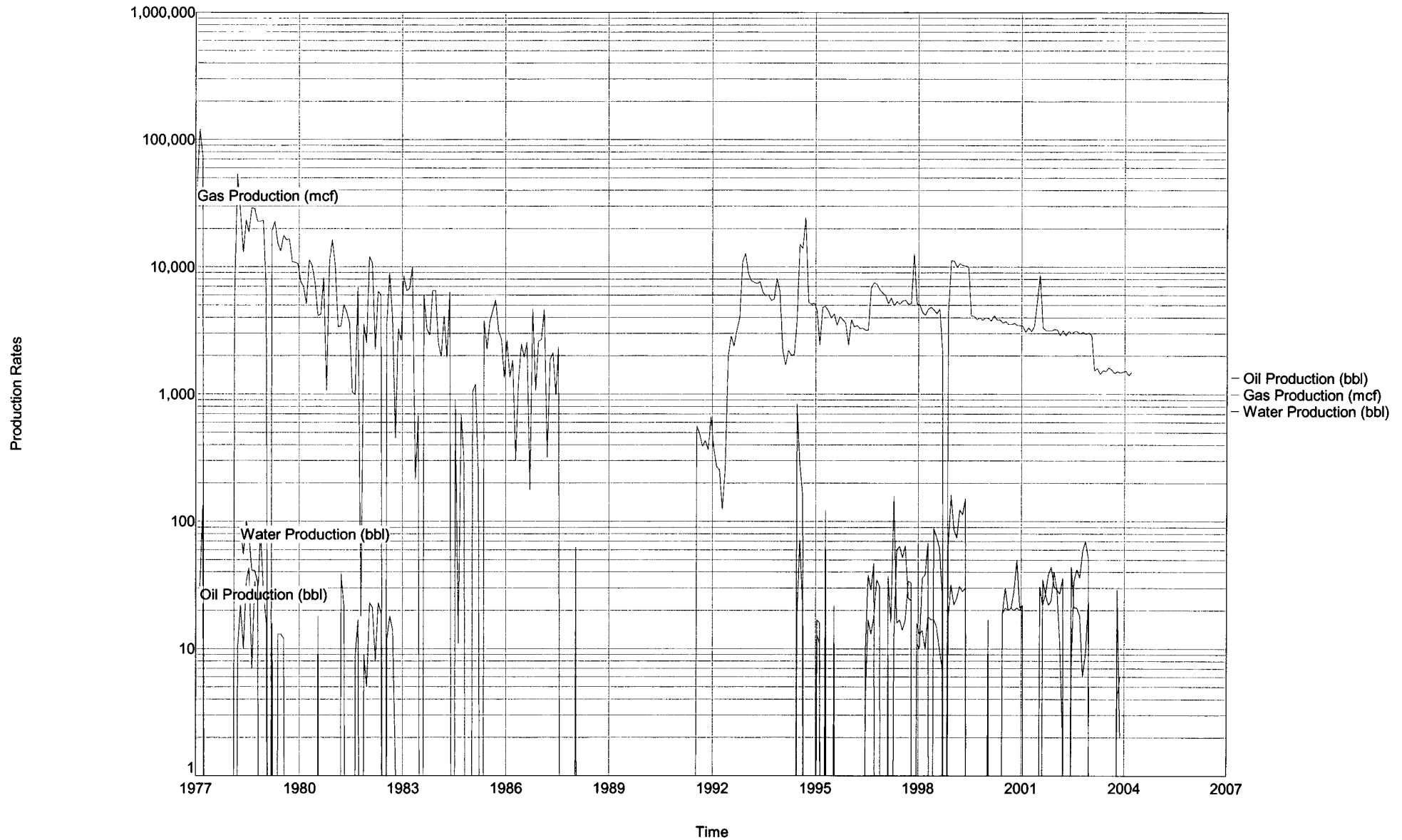
Lease Name: LOU WORTHAN *Ns 15*
County, State: LEA, NM
Operator: MARATHON OIL COMPANY
Field: WANTZ
Reservoir: ABO
Location: 11 22S 37E

LOU WORTHAN - WANTZ



Lease Name: LOU WORTHAN *N. 15*
County, State: LEA, NM
Operator: MARATHON OIL COMPANY
Field: DRINKARD
Reservoir: DRINKARD
Location: 11 22S 37E

LOU WORTHAN - DRINKARD



Select By : Completions

Pressure Base : None

Page No : 1

Units : A.P.I.

Report Number : R_012

Print Date : 9/13/2004, 2:38:40 PM

Sort By : None selected in Report Options.

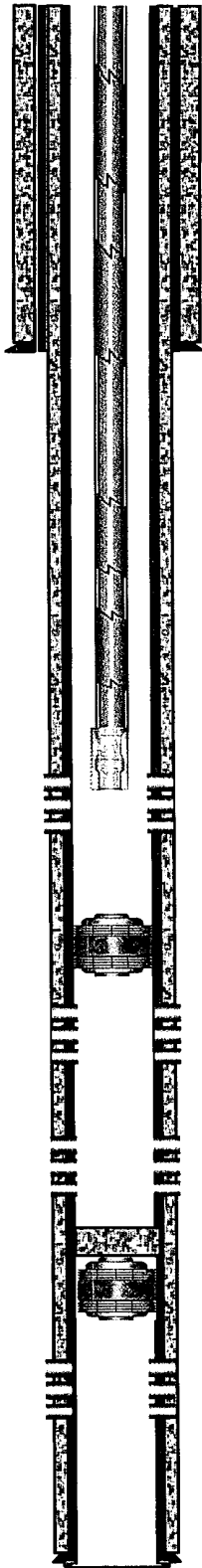
Rounded (y/n) : No

[illegible]



Before Downhole Commingling

Marathon Oil Company
Lou Worthan No. 15 Tubb
25-Jul-04



Surface Casing
9 5/8" 32# set @ 1259" Cmtd w/ 650 sks

DV Tool @ 4500'

Bottom of tubing @ 5770'

Tubb Perfs 5772' to 6128'

Cast Iron Bridge Plug @

Drinkard Perfs 6194' - 6420'

Wantz Abo Perfs 6674' - 7006'

Cast Iron Bridge Plug @ 7047'

Abandoned
Wantz Granite Wash Perfs 7080' - 7626'

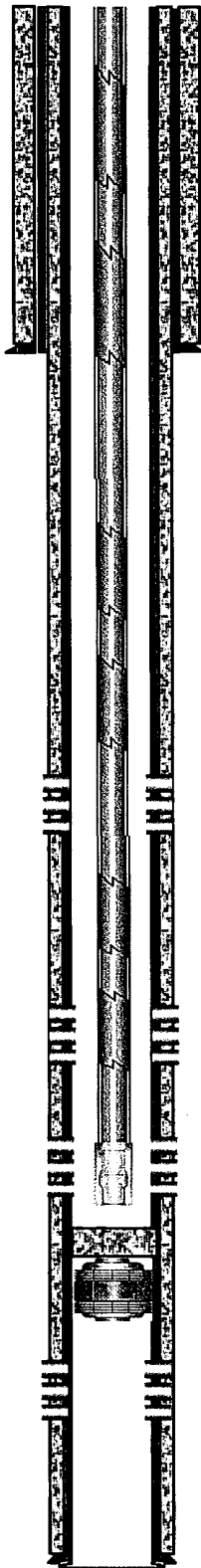
Production Casing
7" 23# to 6808'
7" 26# 6808' to 7675' TD
cmtd in 2 stages 750 sks & 1700 sks

Well Name & Number:	Lou Worthan No. 15 Tubb		Lease	Lou Worthan	
County or Parish:	Lea	State/Prov.	New Mexico	Country:	USA
Perforations: (MD)	See Details Above		(TVD)	7675'	
Date Completed:	07/25/04				RKB:
Prepared By:	Charles Kendrix		Last Revision Date:	09/10/04	



After Downhole Commingling

Marathon Oil Company
Lou Worthan No. 15 Tubb
25-Jul-04



Surface Casing
9 5/8" 32# set @ 1259" Cmtd w/ 650 sks

DV Tool @ 4500'

Tubb Perfs 5772' to 6128'

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Prepared By:	Charles Kendrix		Last Revision Date:	09/10/04		