

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. <b>30-025-37555</b>
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator <b>Marathon Oil Company</b>		6. State Oil & Gas Lease No.
3. Address of Operator <b>P.O. Box 3487 Houston, TX 77253-3487</b>		7. Lease Name or Unit Agreement Name: <b>Walter Lynch</b>
4. Well Location Unit Letter <b>E</b> : <b>1980'</b> feet from the <b>North</b> line and <b>810'</b> feet from the <b>West</b> line Section <b>1</b> Township <b>22-S</b> Range <b>37-E</b> NMPM County <b>Lea</b>		8. Well Number <b>11</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3356' GL</b>		9. OGRID Number <b>14021</b>
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			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 operations to drill, set, and test the production casing in the Walter Lynch No. 11. Please see attachments for details of well operations.**

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 01/10/2006  
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 FEB 17 2006  
Conditions of Approval, if any:

**Walter Lynch No. 11  
Drill, Set, & Test Production Casing**

- 12/16/2005 Drilled out cement & casing shoe on surface casing. Drilled 7 7/8" open hole f/ 429' to 1028'.
- 12/17/2005 Drilled 7 7/8" open hole f/ 1028' to 2535' surveyed while drilling.
- 12/18/2005 Drilled and surveyed f/ 2535' to 3065'.
- 12/19/2005 Drilled and surveyed f/ 3065' to 3590'.
- 12/20/2005 Drilled and surveyed f/ 3509' to 4110'.
- 12/21/2005 Drilled and surveyed f/ 4110' to TD @ 4615'.
- 12/22/2005 Make wiper trip, pull up 15 joints pumped sweep to clean hole, spotted 80 bbl high viscosity pill on bottom. POOH in preparation to run logs. Rig up Schlumberger wireline run open hole logs f/ 4615' to 2388'.
- 12/23/2005 Rig up casing crew and run 4603' 5 1/2" J-55 LT &C casing. See attached Casing report for details.
- 12/24/2005 RU Halliburton cementers. Pumped 900 sks Extended Class C cement w/ 5 pps Gilsonite, 0.25 pps Flocele. Density 11.80 ppg, Yield 2.52 cuft/ sk, Water 14.65 gals / sk.  
Pumped 300 sks Thixotropic Class C cement w/ 1% Thickset A, 0.25% Thickset B, Density 14.40 ppg, Yield 1.43 cuft/sk, Water 6.98 gals/ sk.  
Dropped plug and displaced w/ 800 gal of 10% acetic acid and then 87 bbls water. Bumped plug w/ 1400 psi. Lost partial returns while pumping end of the lead cement, continued to get worse while pumping tail.  
Took 57 bbls displacement before we got circulation. Had cement back to surface w/ 87 bbls away. Got total of 20 bbs cement back to surface.  
While rigging down cementers found that fluid level had dropped.  
Determined level to be 600' f/ surface. Cannot fill using 1" due to lack of room in annulus. Rigged down Rig.
- 01/06/2006 Rigged up PU. RU Baker Atlas wireline. Pressure Test 5 1/2" casing to 2500 psi. Held for 30 minutes no bleed off.

## Marathon Oil Company

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## Casing Report

Legal Well Name: WALTER LYNCH NO 11  
 Common Well Name: WALTER LYNCH NO 11  
 Event Name: ORIGINAL COMPLETION

Report #: 1  
 Start: 11/22/2005

Spud Date: 12/5/2005  
 Report Date: 12/23/2005  
 End:

## General Information

String Type: PRODUCTION CASING #1	Permanent Datum: KELLY BUSHING	Hole Size:	Hole TMD: 4,615.0 (ft)
Hole TVD: 4,615.0 (ft)	KB-Datum: 0.00 (ft)	Water TMD:	Str Wt on Slips: (lb)
Ground Level: 3,356.00 (ft)	CF Elevation: (ft)	Liner Overlap: (ft)	Max Hole Angle: (°)
Circ Hours: (hr)	Mud Lost: (bbl)	KB to Cutoff: (ft)	Days From Spud: (days)

## Casing Flange / Wellhead

Manufacturer:	Model:	Top Hub/Flange: (in) / (psi)
Hanger Model:	Packoff Model:	BTM Hub/Flange: (in) / (psi)

Actual TMD Set: 4,604.690 (ft)

## Integral Casing Detail

Item	Size (in)	Weight (lb/ft)	Grade	Drift (in)	Threads	JTS	Length (ft)	Top (ft)	MU Torq. (ft-lbf)	THD	Manufacturer	Model	Cond.	Max OD (in)	Min ID (in)	Comp. Name
CASING JOINT(S)	5.500	15.5	J-55		LT&C	77	3,211.700				LSS					
MARKER JOINT	5.500	15.5	J-55		LT&C	1	20.100	3,211.70			LSS					
CASING JOINT(S)	5.500	15.5	J-55		LT&C	32	1,349.740	3,231.80			LSS					
CASING FLOAT COLLA	5.500	15.5	J-55		LT&C	1	0.860	4,581.54			LSS					
CASING JOINT(S)	5.500	15.5	J-55		LT&C	1	21.000	4,582.39			LSS					
CASING FLOAT SHOE	5.500	15.5	J-55		LT&C	1	1.300	4,603.39			LSS					