

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>30-025-37488</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>J.L. Muncy</b>
4. Well Location Unit Letter <b>N</b> : <b>660</b> feet from the <b>South</b> line and <b>1980</b> feet from the <b>West</b> line Section <b>24</b> Township <b>22-S</b> Range <b>37-E</b> NMPM County <b>Lea</b>		8. Well Number <b>14</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3312' 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 on the J.L. Muncy No. 14. Please see attachments for work and casing details.**

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 ☐

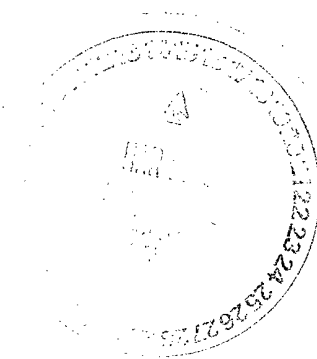
SIGNATURE Charles E. Kendrick TITLE Engineering Technician DATE 03/06/2006  
Type or print name **Charles E. Kendrick** E-mail address: cekendrix@marathonoil.com Telephone No. **713-296-2096**

For State Use Only

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE MAR 20 2006  
Conditions of Approval, if any:

## J.L. Muncy No. 14

### Drill, Set, & Test Production Casing



01/29/2006 RIH w/ 7 7/8" bit, DCs, DP to top of cement @ 1219'. Drill out cement, float collar, and float shoe @ 1257'. Drill & survey 7 7/8" open hole f/ 1257' to 1723'.

01/30/2006 Drill & survey 7 7/8" open hole f/ 1723' to 1893'. Work on mud pump. Well flowing. Shut in well. Pump flag and found cracked DP. Replaced cracked jt. TOH. TIH applying 202 corrosion treatment to pipe. Circ 11 PH mud until hole is full. Drill & survey f/ 1893' to 2094'.

01/31/2006 Drill & survey 7 7/8" open hole f/ 2094' to 2926'.

02/01/2006 Drill & survey 7 7/8" open hole f/ 2926' to 3428'.

02/02/2006 Drill & survey 7 7/8" open hole f/ 3428' to 3754'.

02/03/2006 Drill & survey 7 7/8" open hole f/ 3754' to 4042'.

02/04/2006 Drill & survey 7 7/8" open hole f/ 4042' to 4081'. Work on mud pump. Loss of pump pressure. POOH w/ hole in pipe. Found and replaced cracked DP. Changed out bit and RIH. Stuck BHA in casing @ 375'. Work free and pump 200 bbl fresh water to clean out salt build up.

02/05/2006 Cont. in hole w/ DP & BHA. Drill & survey 7 7/8" open hole f/ 4081' to 4434'.

02/06/2006 Drill & survey 7 7/8" open hole f/ 4434' to 4798'.

02/07/2006 Drill & survey 7 7/8" open hole f/ 4798' to 4801'. Trip for bit. RIH /w new bit. Shut down for H2S alarms. Pick up kelly circ out gas. Install rotational head rubber. RIH to 4801', no more alarms. Drill f/ 4801' to 4827'.

02/08/2006 Drill & survey 7 7/8" open hole f/ 4827' to 5172'.

02/09/2006 Drill & survey 7 7/8" open hole f/ 5172' to TD @ 5390'. Circ bottoms up. Pump high viscosity pill on bottom. POOH f/ logs.

02/10/2006 Cont OH f/ logs. Rig up Halliburton logging. RD Halliburton logging due to high H2S levels. (Masked up during RU & RD of logging tools.) Rig Up casing crew. RIH w/ 130 jts, 5 1/2", 15.5#, J-55 casing to 5390'. RU Halliburton cementers.  
Pumped spacer: 50 sks Interfill C-SBM, 11.0 density, 4.02 yield, 25.05 gal/sk water.  
Pumped Lead: 285 sks, Interfill C-SBM, 11.8 density, 3.1 yield, 18.11 gal/ sk water.  
Pumped Tail: 830 sks Premium 15.6 density, 1.19 yield, 5.15 gal/sk water. Clean out and drop plug. Displace w/ 19 bbls 10% MSN acid, 109 bbl fresh water, bump plug w/ 500 psi over. Hold for 2 minutes, release press, floats holding. WOC

02/11/2006 Cement down casing annulus. Pumped 47 bbls fresh water w/ 0.25 lb/gal Diamond seal:  
Pumped Lead: 200 sks Premium Plus, 14.4 density, 1.43 yield, 7.03 gals/sk water.  
Pumped Tail: 600 sks Interfill "C", 11.9 density, 2.45 yield, 14.12 gals/sk water.  
Displaced w/ 7 bbls fresh water. Shut in w/ 575 psi. WOC 4 hrs. Release 200 psi off annulus. No flow Cut off casing. Nipple down BOPs. Nipple up wellhead. Release rig.

02/16/2006 MIRU PU & reverse unit. Set pipe and racks. RIH w/ 4 3/4" bit, DCs on 169 jts 2 7/8" tbg. Tagged Top of cement @ 5363'. Rigged up power swivel reverse hole clean. Drill out float collar, cement in 22' shoe joint. From 5363' to 5389' on 170 jts. Drill out to float shoe. Circ hole clean w/ 130 bbls fresh water.

02/17/2006 POOH w/ bit, DCs, and tbg. RU Halliburton loggers. Log well f/ PBTD to 2400'. Run Dual spaced Neutron log, Compensated Spectral Gamma ray.

02/18/2006 Pressure tested BOP, blind rams to 3000 psi. Pressure tested 5 1/2" casing to 2500 psi for 30 minutes. Held Pressure, no bleed off.

## Marathon Oil Company

Page 1 of 1

## Casing Report

Legal Well Name: J L MUNCY NO 14  
 Common Well Name: J L MUNCY NO 14  
 Event Name: ORIGINAL COMPLETION

Report #: 1  
 Start: 1/18/2006

Spud Date: 1/25/2006  
 Report Date: 2/12/2006  
 End:

## General Information

String Type: INTERMEDIATE CASING	Permanent Datum: KELLY BUSHING	Hole Size: 7.875 (in)	Hole TMD: 5,390.0 (ft)
Hole TVD: 5,390.0 (ft)	KB-Datum: 0.00 (ft)	Water TMD:	Str Wt on Slips: 60,000 (lb)
Ground Level: 3,312.00 (ft)	CF Elevation: (ft)	Liner Overlap: 1,250.0 (ft)	Max Hole Angle: (°)
Circ Hours: 3.25 (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: 5,390.000 (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 CUT JOINT	5.500	15.5	J-55		8 ROUND	1	37.010									
CASING JOINT(S)	5.500	15.5	J-55		8 ROUND	75	3,094.550	37.01								
PUP JOINT	5.500	15.5	J-55		8 ROUND	1	21.130	3,131.56								
CASING JOINT(S)	5.500	15.5	J-55		8 ROUND	34	1,430.570	3,152.69								
PUP JOINT	5.500	15.5	J-55		8 ROUND	1	21.300	4,583.26								
CASING JOINT(S)	5.500	15.5	J-55		8 ROUND	18	762.620	4,604.56								
CASING FLOAT COLLA	5.500	15.5	J-55		8 ROUND	1	1.500	5,367.18								
PUP JOINT	5.500	15.5	J-55		8 ROUND	1	20.120	5,368.68								
CASING FLOAT SHOE	5.500	15.5	J-55		8 ROUND	1	1.200	5,388.80	5390							

## Non-Integral Casing Accessories

Accessory	Manufacturer	Number	Spacing (ft)	Interval		How Fixed
				Top (ft)	Bottom (ft)	
CENTRALIZER	GEMCO	41				CLAMPED