

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. <b>30-025-37767</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>L.G. Warlick C</b>
8. Well Number <b>11</b>
9. OGRID Number <b>14021</b>
10. Pool name or Wildcat <b>Penrose Skelly Grayburg (50350)</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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. Lease Name or Unit Agreement Name: <b>L.G. Warlick C</b>
2. Name of Operator <b>Marathon Oil Company</b>	8. Well Number <b>11</b>
3. Address of Operator <b>P.O. Box 3487 Houston, TX 77253-3487</b>	9. OGRID Number <b>14021</b>
4. Well Location Unit Letter <b>O</b> : <b>940'</b> feet from the <b>South</b> line and <b>1954'</b> feet from the <b>East</b> line Section <b>15</b> Township <b>21-S</b> Range <b>37-E</b> NMPM County <b>Lea</b>	10. Pool name or Wildcat <b>Penrose Skelly Grayburg (50350)</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3417' GR</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

**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 ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐

OTHER: **Initial Well Completion Grayburg** ☒

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.

After review of logs, Marathon Oil Company decided to completion initial production for the L.G. Warlick C No. 11 to the Penrose Skelly Grayburg pool. The plat for this pool is on file with the NNOCD. Please see the attachment for details of work completed to bring the Grayburg pool on production in this well.

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 Reg. Compliance Rep. DATE 08/25/2006

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

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

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

**For State Use Only**

APPROVED BY Chris Williams

**OCD DISTRICT SUPERVISOR/GENERAL MANAGER**

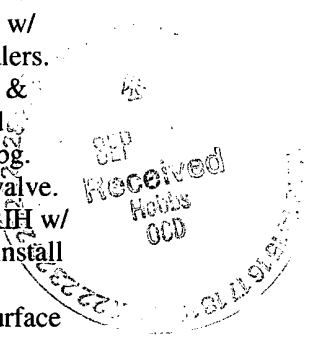
Conditions of Approval, if any:

SEP 11 2006

# L.G. Warlick C No. 11

## Initial Completion Work (Penrose Skelly Grayburg)

- 08/01/2006 RIH w/ 3 1/8" slick guns w/ 311T 23 gram charges, w/ 1 JSPF, 120° phasing, w/ collar locator. Got on depth and shot casing in 2 gun runs in 3 intervals as follows:
- | Interval      | Feet       | Shots     |
|---------------|------------|-----------|
| 3730' - 3740' | 10'        | 10        |
| 3790' - 3800' | 10'        | 10        |
| 3876' - 3886' | <u>10'</u> | <u>10</u> |
| Totals        | 30'        | 30 holes  |
- Perforated in 7 1/2% NEFE HCL Acid. POOH w/ wireline. Loaded casing . Pressure perforations to 2200 psi. Broke down perfs. Increased rate to 2 bpm @ 1800 psi. Pumped 20 bbls water. Press dropped to 1300 psi in 5 minutes. RIH w/ 5 1/2" pkr, SN, 30 jts 2 7/8" tbg. SI well.
- 08/02/2006 Cont in hole w/ pkr & tbg. Set Packer @ 3659'. L & T annulus to 500 psi. RU Maclaskey Acid pump truck. Test lines to 5000 psi. Pump 6 bbls water for rate. Switched to 15% HCL acid. Pump 2100 gals, flushed w/ 40 bbls water. Dropping 50-- 7/8" ball sealers. Saw good ball action w/ 4200 psi at end of pumping. Shut down pump and serged off ball sealers. Shut in well. RD pump truck. Bled off tubing pressure. Released pkr & RIH w/ 8 jts to knock of balls. POOH w/ 128 jts tbg, & pkr. Installed flowback manifold. RIH w/ RBP on 10 jts tbg. Set RBP. POOH w/ tbg. Test RBP, blind rams, casing to 1000 psi. Remove BOP install frac valve. Test frac valve, wellhead, casing, & RBP to 3000 psi. Install BOP. RIH w/ 10 jts to RBP & release RBP. POOH w/ tbg & RBP. Remove BOP, install frac valve and SI well. Wait on frac.
- 08/04/2006 RU Halliburton sand frac equipment. RU Stinger Tree Saver. Test surface lines to 6500 psi. Pump Flow efficiency test w/ 297 bbls fresh water. Pump frac job 1315 bbls cross-linked gel w/ 2 bbls scale inhibitor added. Pumped 95 bbls 2#/gal sand, Pumped 95 bbls 3#/gal sand, pumped 168 bbls 4#/gal sand, pumped 166 bbls 5#/gal sand, pumped 166 bbls 6#/gal sand, pumped 166 bbls 7#/gal sand, pumped 159 bbls 8#/gal sand, pumped 88 bbls flush. Max press 3837 psi. Started flow back to 24/64 choke w/ 2501 psi flowing press. Flowed well back @ 4.5 bbl / min for 30 minutes. Recovered 90 bbls. Started seeing sand. Shut in well. RD Halliburton. Total load to recover 2718 bbls, used 230,000 lbs Premium White 20/40 sand. Flowed well back @ 48/64 choke for another hour. Flowing pressure to 520 psi. Recovered 69 bbls. SI well.
- 08/06/2006 Casing press 125 psi. Blew down casing. Remove frac valve. Install BOPE. RIH w/ 2 7/8" notched collar on 175 jts 2 7/8" tbg. Tag top of sand fill @ 5310'. RU power swivel. Start pumping water w/ reverse unit. Cleaned out sand f/ 5310' to PBSD @ 5434' w/ 179 jts tbg. Laydown swivel. PUH w/ 78 jts tbg, above perfs. SI well.
- 08/07/2006 POOH w/ tbg & notched collar. RIH w/ mud jt, SN, special alloy jt, 2 jts 2 7/8" tbg, 5 1/2" TAC, on 117 jts 2 7/8" tbg. Remove BOP. Set tbg anchor in 12 pts tension @ 3564', SN @ 3658', BOT @ 3689'. RIH w/ rod insert pump & rods. Hang well on. L&T tbg & pump action. Pumping w/ good action. SI Well Waiting on electrical parts for panel.
- 08/10/2006 Started well to production facilities @ 9:00 am.

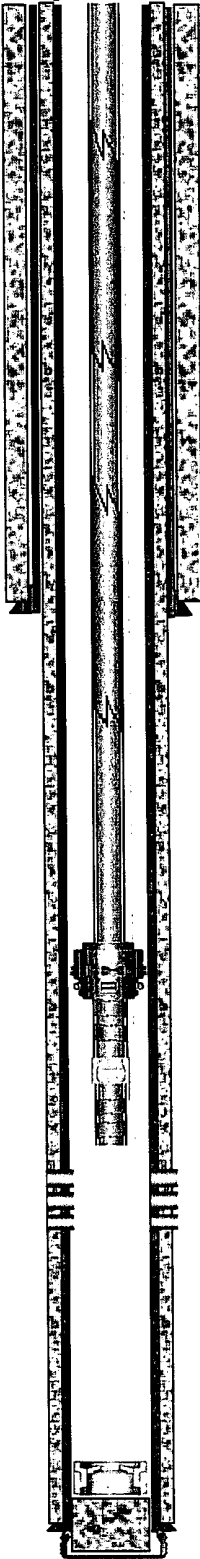




L.G. Warlick C No. 11  
New Well Completion / Grayburg

Well Spud on 06/02/2006  
GL 3417'

Marathon Oil Company  
L.G. Warlick C No. 11  
UL"O", Sec 15, T-21-S, R-37-E  
28-Aug-06

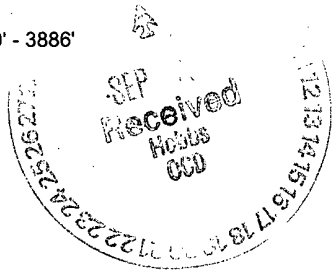


Surface Casing  
8 5/8" 32# J-55 set @ 1243' w/ 800 sks cmt.  
Cmt to surface

Tubing Anchor @ 3564'

Seating Nipple @ 3658'  
Bottom mud jt @ 3689'

Grayburg Perfs 3730' - 3886'



PBTD 5434'

Production Casing  
5 1/2" 15.5# J-55 Set @ 5462' Cmt'd w/ 1460 sks

TD @ 5465'

Well Name & Number:	L.G. Warlick C No. 11		Lease	L.G. Warlick	
County or Parish:	Lea	State/Prov.	New Mexico	Country:	USA
Perforations: (MD)	3730' - 3886'		(TVD)	5465'	
Date Completed:	08/07/06				RKB:
Prepared By:	Charles Kendrix		Last Revision Date:	08/28/06	