

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. 30-025-37488
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: J.L. Muncy
8. Well Number 14
9. OGRID Number 14021
10. Pool name or Wildcat Undesignated Langlie Mattix:7RQGB

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 <input type="checkbox"/>	11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3312'
2. Name of Operator Marathon Oil Company	
3. Address of Operator P.O. Box 3487 Houston, TX 77253-3487	
4. Well Location Unit Letter <u>N</u> : <u>660'</u> feet from the <u>South</u> line and <u>1980'</u> feet from the <u>West</u> line Section <u>24</u> Township <u>22S</u> Range <u>37E</u> NMPM County <u>Lea</u>	
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: Plugback and Recomplete to new zone ☒

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 plug back the Paddock and recomplete to the Langlie-Mattix Seven Rivers Queen Grayburg in the J.L. Muncy No. 14. Please see attachment for details of well work.



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 12/11/2006

Type or print name Charles E. Kendrix

E-mail address: cekendrix@marathonoil.com

Telephone No. 713-296-2096

For State Use Only

APPROVED BY [Signature] TITLE _____ DATE _____

Conditions of Approval, if any:

2A Paddock

OCT 22 2007

J.L. Muncy No. 14
Plugback Paddock
Recomplete to Langlie Matix Seven River Queen Grayburg

09/07/2006 MIRU PU & Reverse Unit. Unseat pump. Hot water rods & tbg w/ 75 bbls hot water w/ paraffin dispersant. POOH w/ rods & pump. ND WH NU BOPE. SI well.

09/08/2006 POOH w/ tbg, TAC, Alloy jt, SN, & MJ. RIH w/ CIBP on 160 jts tbg. Set CIBP @ 4980' PUH 2 jts circ hole clean w/ 120 bbls fresh water. Pressure tested BOP pipe rams, casing, & CIBP to 1000 psi. Held Pressure. PUH w/ 32 jts tbg. Bottom of tbg @ 3930' w/ 126 jts tbg in hole. Spot 504 gals 10" Acetic acid f/ 3426'-3930'. POOH w/ remaining tbg & setting tool. Remove BOP install Frac valve. Load casing. Close frac valve and test valve, wellhead, casing, & CIBP to 2900 psi. Held pressure. SI well.

09/09/2006 RU Baker Atlas perforating equipment. Test lubricator to 1000 psi. RIH w/ 3 1/8" slick gun carrier w/ 311T 23 gram charges w/ 120° phasing. Perforated casing in following intervals and shots.

Interval	Feet	Shots
3820' – 3830'	10'	10
3880 – 3890'	10'	20
3900 – 3910'	10'	10
Totals	30'	40 shots

RIH w/ cmt dump bailer. Dump 20' cmt on CIBP @ 4980'. New Plug back TD @ 4960'. RD Baker Atlas. Load 5 1/2" casing. Break down perms w/ acetic acid @ 1800 psi. Pump 30 bbls water to displace acid spotted earlier. SI Frac valve. SI well.

09/12/2006 Stage 1 Acidize & Frac Grayburg 3820' – 3910'
 RU Halliburton Stinger tree. Test surface lines to 5000 psi. Start pumping 7.5% HCL Acid. Caught pressure after 20 gals. Pump 2000 gals acid. Displaced acid w/ 91 bbls gel pad. Wait on acid to work for 5 minutes. Start pumping Grayburg frac pumped 373 bbls gel pad, pumped 407 bbls 1#/gal sand ramping to 5#/gal sand. Switched to flush. Pumped 91 bbls flush. Shut in frac valve. Cut sand short, did not pump 5# sand stage due to well pressuring up and screening out. Displaced rest of sand to top of Grayburg. Grayburg load was 1043 bbls w/ 56,100 lbs sand. RD Halliburton.
 Stage 2 Acidize & Frac Queen 3620'-3630'
 RU Baker Atlas. Test lubricator to 1000 psi. Held pressure. Open Frac valve. Casing has 650 psi f/ Grayburg frac. RIH w/ CIBP w/ collar locator. Set CIBP @ 3648'. Tag plug. POOH w/ setting tool & wireline. Bled off pressure to 0 psi. Pressure up casing and CIBP to 2000 psi. RIH w/ acid dump bailer. Dump 10' 28% acid f/ 3620' to 3630'. POOH w/ bailer. RIH / 3 1/8" slick gun carrier w/ 311T 23 gram charges w/ 4 JSPF, 120° phasing w/ collar locator. Perforated as follows:

Interval	Feet	Shots
3620' – 3630'	10'	40

Pressure perms to 1800 psi to put away acid spotted earlier. RD Baker Atlas. RU Halliburton stinger tree saver. Test surface lines to 5000 psi. Pump 2000 gals 7 1/2% HCL acid. Displaced w/ 88 bbls of gel pad. Wait five minutes on acid to work. Pumped 249 bbls gel pad, pumped 381 bbls 1#/gal sand ramping to 5#/gal sand. Pumped 93 bbls 5#/gal sand, pumped 116 bbls 6#/gal sand. Pumped 86 bbls flush. Shut in Frac valve. RD Halliburton frac equipment. Total Queen frac 1060 bbls load w/ 94,100 lbs sand. SI well.

09/13/2006 Check casing press= 250 psi. Flowed back 30 bbls frac load. Well died. Removed frac valve. Installed BOP. RIH w/ 4 3/4" bit, drill collars, & Tbg. Tag sand @ 3604'. PUH t/ 3292'. RU reverse unit. Circ hole clean w/ 75 bbls 2% KCL water. SI Well.

09/14/2006 RIH tag sand fill @ 3604'. Start pumping but bit plugged. Pipe sticking w/ sand. PUH 10 jts. Circ hole clean. POOH w/ tbg, dc's, and bit. RIH t/ 3425 w/ 2 7/8" notched collar. RU swivel. Circulate in hole tag sand @ 3604'. Circ sand fill down to 3648' (CIBP). PUH w/ tbg, left 96 jts for kill string. SI Well.

09/14/2006 POOH w/ remaining tbg & notched collar. RIH w/ 4 3/4" bit, DC's, on 114 jts tbg to 3644'. Tagged up w/ 4' sand on CIBP. RU Swivel and stripper rubber. Drill out CIBP @ 3648'. Pushed CIBP to 3885'. Drilled 1 hour. PUH w/ 40 jts. SI Well.

09/18/2006 Check casing press=0 psi. RIH w/ tag CIBP @ 3855'. Circ hole clean. Drill out CIBP. CIBP fell to 4940'. Drill out remainder of CIBP & circ sand to 4940' to 4965'. POOH lay down bit and DC's. RIH w/ 40 jts kill string. SI well.

09/19/2006 POOH w/ kill string. RU tbg tester. RIH testing tbg. Tubing configuration top to bottom as follow:
 114 jts 2 7/8" tbg
 Tubing Anchor @ 3528'
 13 jts 2 7/8" tbg
 1 special alloy jt.
 Seating Nipple @ 3965'
 4 jts 2 7/8" tbg @ 4090'
 PBTD @ 4965'
 Circ hole clean. Remove BOP. Set TAC w/ 12 pts tension. Install wellhead. RIH w/ 2" rod insert pump & rods. Seat pump. Space out pump. Hang well on . Load and Test tbg & pump action. Well pumping. Leave well down waiting on facilities.

09/21/2006 Started well to pumping to facilities.