

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. 30-025-37533	
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: Mark Owen	
8. Well Number 10	
9. OGRID Number 14021	
10. Pool name or Wildcat Emice San Andres, South (24170)	
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	
2. Name of Operator Marathon Oil Company	
3. Address of Operator P.O. Box 3487 Houston, TX 77253-3487	
4. Well Location Unit Letter M : 510' feet from the South line and 660' feet from the West line Section 35 Township 21-S Range 37-E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3376' GL	
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: **New Well Completion Wrk** ☒

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 bring the Mark Owen No. 10 on production in the Emice San Andres, South pool. Please see attachment for details of well work performed.

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 NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

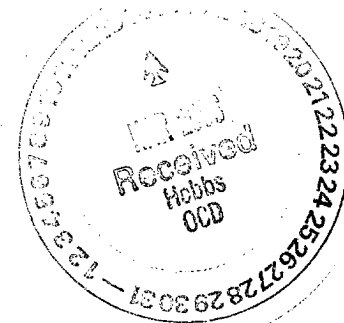
SIGNATURE Charles E. Kendrick TITLE Engineering Technician DATE 02/28/2006

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 24 2006
Conditions of Approval, if any:

**Mark Owen No. 10
New Well Completion
To Eunice San Andres, South**



01/19/2006 PU Lubricator and test to 1000 psi. RIH tag PBTD @ 4609'. RIH w/ 3 1/8" slick guns. Perforated w/ 311T w/ 23 gram charges, w 2 JSPF, 120° phasing (Perforating in 10% acedic acid spotted over perfs). Perforated 9 intervals in 7 gun runs as follows:

Interval	feet	shots
3890-3892	2	4
3991-4005	14	28
4087-4097	10	20
4105-4111	6	12
4179-4184	5	10
4201-4223	22	44
4233-4239	6	12
4256-4280	24	48
4280-4303	<u>23</u>	<u>46</u>
Totals	112	224

RU Kill truck pressure perforations to 1500 psi. Perfs broke down, pumped in at 4 BPM @ 1400 psi. Pumped 20 bbls water. SI well. RD PU

01/23/2006 MIRU PU. Set pipe racks & tbg. Set reverse unit. SI well.

01/24/2006 RIH w/ 5 1/2" packer on 122 jts 2 7/8" tbg. Set pkr @ 3803'. Load and test casing annulus. RU swab. Initial FL @ 700' f/ surface. Made 13 swab runs. Recovered 61 bbls water, w/ slight trace oil, slight gas blow. Final FL @ 2000' f/ surface. SI

01/25/2006 Tbg Press= 200 psi. Blow down press. RU swab. Initial FL @ 1000' f/ surface. Made 15 swab runs, recovered 83 bbls water, no oil, no gas. Final FL @ 2200' f/ surface. RD swab. POOH w/ tbg & pkr. RIH w/ kill string. SI well.

01/26/2006 RIH w/ RBP & Packer on 2 7/8" tbg. Set RBP @ 4337'. PUH Set pkr @ 4246' RU swab. Initial FL @ 900' f/ surface. Made 20 swab runs, recovered 101 bbls water, no oil, no gas. Final FL @ 2200' f/ surface. SI

01/27/2006 RU Swab test perfs f/ 4256-4303 all water. Move tools. Swab test perfs f/ 4179' to 4239' swabbed tbg dry, no oil, no gas. Move tools. Swab test perfs f/ 4087'-4111'. Swab dry. Recovered 14 bbls. Wait 1 hr. fluid inflow 200'. Swabbed w/ good oil cut, and gas blow. RD swab. Move tools. Swab test perfs f/ 3890'-4005' Made 4 swab runs. Recovered 13 bbls. Swabbed tbg dry. Good gas blow after final swab run.

01/28/2006 Tubing Press= 240 psi. Blow down press. RU swab. IFL @ 2000' f/ surface. Made 3 swab runs. Recovered 11 bbls, good oil cut, and gas flow after swabbing tbg dry. FFL @ SN. RD swab. POOH w/ tbg, pkr, RBP. RIH w/ kill string. SI.

01/30/2006 Tbg Press = 20 psi. Blow down press. RU Baker Atlas. Test lubricator to 1000 psi. Perforated well w/ 311T slick guns w/ 23 gram charges w/ 1 JSPF, 120° phasing, in 5 intervals / w/ 3 gun runs as follows.

Interval	Feet	Shots
3942'-3950'	8	9
3963'-3967'	4	5
3970'-3974'	4	5
3976'-3981'	5	6
4244'-4253'	<u>9</u>	<u>10</u>
Totals	30'	35 shots

Set CIBP @ 4254'. RD Baker Atlas. RIH w/ RBP, Pkr, SN, on 136 jts 2 7/8" tbg. Set RBP @ 4230'. Set pkr @ 4136'. Isolate and swab test perfs f/ 4179' to 4223'. SI well.

01/31/2006 RU acid truck. Test lines to 4500 psi. Acidize perfs s/ 4179'-4223' w/ 50 bbls 15% NEFEHCL acid 50 ball sealers. Treat @ 4 BPM @ 1600 psi. Fair ball action, no ball out. No communication. Flush w/ 30 bbls fresh water. Move RPB to 4150' Set pkr @ 4030'. Acidize perfs f/ 4087-4111 w/ 35 bbls 15% NEFEHCL using 35 ball sealers. Treat @ 4 BPM @ 2000. Large drop in pressure communicated on backside. No indication of ball action. Moved RBP to 4056'. Set pkr @ 3826'. Test casing annulus to 500 psi. Held. Acidize perfs 3890' to 4005 w/ 65 bbls 15% NEFEHCL w/ 65 ball sealers. Treat @ 5 BPM @ 1500 psi. good ball action. Displaced w/ 30 bbls fresh water. POOH w/ treating assembly. RIH w/ Pkr, SN, 136 jts 2 7/8" tbg. Set pkr @ 4229. Swab test perfs f/ 4233'-4253' IFL @ 800' f/ surface. Made 3 runs. Recovered 15 bbls. FFL @ 1000' / surface. Check casing on vacuum. RD swab. Reset pkr. RU swab. Made 2 swab runs recovered 10 bbls. FFL @ 1000' f/ surface. SI

02/01/2006 RU swab. IFL @ 1000' f/ surface. Made 16 runs. Recovered 88 bbls. FFL @ 1000'. PUH & Set pkr @ 4136'. IFL @ 1000' f/ surface.

02/02/2006 Unset pkr. POOH w/ pkr & tgb. RIH w/ CIBP. St CIBP @ 4170'. Trip for setting tool. RIH w/ 2 7/8" bull plugged perforated sub, SN, Special Alloy jt, 10 jts 2 7/8" tgb, TAC, 121 jts 2 7/8" tbg, 14' 2 7/8" tgb sub. TAC set w/ 12 pts tension @ 3815', SN @ 4156'. Bottom of Bull plugged perforated sub @ 4161'. Installed well head. RIH w/ insert pump and rods. SI well.

02/03/2006 Load and test pump action. Hung well on. Started well to facilities @ 3:00 PM.

