

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. <b>30-025-37-076</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>William Turner</b>
8. Well Number <b>8</b>
9. OGRID Number <b>14021</b>
10. Pool name or Wildcat <b>Paddock (49210)</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 <input type="checkbox"/>	11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3466' GR</b>
2. Name of Operator <b>Marathon Oil Company</b>	
3. Address of Operator <b>P.O. Box 3487 Houston, TX 77253-3487</b>	
4. Well Location Unit Letter <b>I</b> : <b>1710'</b> feet from the <b>South</b> line and <b>330'</b> feet from the <b>East</b> line Section <b>29</b> Township <b>21-S</b> Range <b>37-E</b> NMPM County <b>Lea</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: **Perforate, Acid, bring online** ☒

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 put the William Turner No 8 on production in the Paddock formation. Please see attachment for details of work performed on this new 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 NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrix TITLE Engineering Technician DATE 10/11/2005

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 PETROLEUM ENGINEER DATE \_\_\_\_\_

Conditions of Approval, if any:

OCT 21 2005

# **William Turner No. 8** **New Well – Completion Work** **Paddock Pool**

08/16/2005 RIH w/ seating nipple on 178 jt 2 7/8" tubing. POOH w/ sn & tubing. RU Wirelin RIH got on depth, logged w/ Gamma Ray /CCL, w/ Junk Basket f/ 5630' to 3500'. Assemble 3 1/8" Select Fire Gun Carrier/ w 311T w/ 23 gram charges w/ 2 JSPP, 120 ° Phasing. PU Lubricator and pressure test to 1000 psi. Perforate top down because perforated in acetic acid. Perforated well in 1 interval with 1 gun run. Perforation details as follows:

Interval	Runs	Shots
5513' – 5521	1	22

RIH w/ 5 1/2" Production Packer, seating nipple, and 175 jts 2 7/8" tubing. Packer left swinging @ 5430'. SI

08/17/2005 Tubing and Casing on a vacuum. Open well, and pumped 130 bbls pkr fluid down casing and back up tubing. Set packer and tested casing annulus to 500 psi. ND BOP NU wellhead. Set packer @ 5430' w/ 18,000 lbs. Retested casing annulus to 500 psi. RU swab. Initial FL @ 1400' from surface, made 6 swab runs. Final fluid level 5400' f/ surface. Shut in wait 1 hour, made another swab run, tubing dry. SI

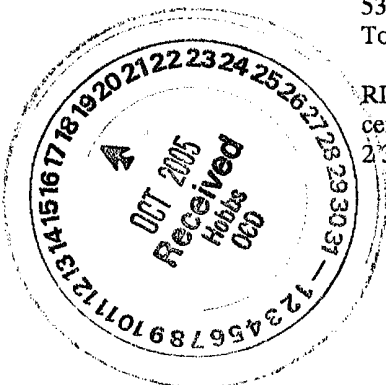
08/18/2005 Tubing & casing pressure = 0. RU swab. RIH initial fluid level @ 5400' f/ surface. Made 2 swab runs, final fluid level @ 5400'. Tubing dry. No load recovered. SI

08/19/2005 Tubing & Casing pressure = 0. RU Acid pump truck. Test lines to 5000 psi. Pumped 500 gals 15% HCL acid. Flushed w/ 14 bbls water. Caught pressure w/ 32 bbls total fluid pumped. Displaced acid to bottom perforations @ 7 BPM @ 2000 psi. Shutdown wait for 15 minutes. Pumped 28 bbls water and established rate of 7 BPM @ 2000 psi. Total load 80 bbls. RU swab. Initial fluid level @ 3800' f/ surface. Make 3 swab runs recovered 17 bbls fluid, tubing dry after third swab run. Make swab run every hour. Tubing dry. SI

08/25/2005 POOH w/ tubing & packer. RU wireline. RIH got on depth. Set CIBP @ 5480'. POOH w/ wireline. RIH w/ perforating gun perforated w/ 3 1/8" Select guns w/ 311T w/ 23 gram charges/ w varying shots per ft, 120 ° phasing, in five intervals with five gun runs as top to bottom as follows:

Interval	Feet in Interval	Shots per ft	Shots per Interval
5284' – 5314'	30	1	30
5338' – 5352'	14	1	14
5355' – 5365'	10	1	10
5374' – 5376'	2	2	4
5395' – 5397'	2	2	4
Total	58'		62 shots

RIH w/ cement dump bailer. Dumped 20' cement on top of CIBP @ 5480'. Top of cement @ 5460'. POOH w/ dump bailer. RIH w/ 5 1/2" production packer w/ 2 3/8" bore, 2 3/8" X 2 7/8" XO, 2 7/8" SN, 30 jts 2 7/8" J-55 tubing. SI



08/26/2005 Cont. in hole w/ packer and tubing. Packer swinging @ 5395'. Start pumping water. Break circulation. Switch to Acid pump 210 gals 15% HCL acid displaced acid w/ 30 bbls water. . PUH and laid down 4 jts tubing. Set packer on 170 jts @ 5243' w/ 18,000 lbs. Tested casing annulus to 500 psi. Started pumping water broke down formation @ 1130 psi. Displaced acid to bottom of perforations @ 2 BPM @ 1300 psi. Waited 15 minutes ran step rate test. Ran swab, initial fluid level @ 1100' f/ surface. Swabbed tubing dry to SN @ 5238' in 8 runs. Wait one hour and made swab run, fluid level @ 4800' f/ surface. Recovered 25 bbls load water. SI

08/29/2005 Tubing Press = 500 psi, Casing = 0, Blow down tubing pressure. Swab well. Initial run fluid level @ 3000' f/ surface. Made 3 runs swabbed tubing dry to SN. Wait 1 hour made swab run. Continue to make hourly runs w/ fluid entry 600' per hour. Recovered 11 more bbls. Recovered 36 bbls of original 45 bbls load water. SI

08/30/2005 Initial Tubing Press = 400 psi, blew well down. RIH w/ swab initial FL @ 3500' f/ surface. Made two swab runs recovered 9 bbls water. Tubing swab dry. RU McClaskey Acid truck. Pumped 4200 gals 15 % HCL acid @ 5 BPM @ 1800 psi. Dropped 75 ball sealers. Balled out acid job to 4750 psi. Flush w/ 35 bbls water. SI

08/31/2005 Tubing Press = 0. Swab well initial run FL @ 2000' f/ surface. Made 27 swab runs, recovered 109 bbls. Final FL @ 4500' f/ surface. SI

09/01/2005 Tubing Press = 400 psi. Blew well down. Swab well initial FL @ 3000' f/ surface. Made 19 swab runs. Recovered 78 bbls. Final FL 3700' f/ surface. Recovered 187 bbls of 210 bbls load water w/ 5% oil cut. Total left to recover 23 bbls.

09/02/2005 Tbg Press = 560 psi. Blew well down. Swab well initial FL @ 2800' f/ surface. Made 6 swab runs. Recovered 30 bbls w/ 5% oil cut. Final FL @ 3700' f/ surface. SI

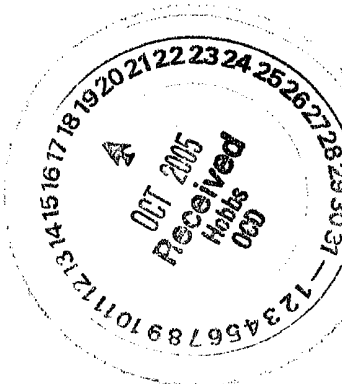
09/15/2005 RU PU swab test well. Initial FL 2000' f/ surface. Made 12 swab runs. Final fluid level 3000' f/ surface. Made 48 bbls. 38 water and 10 oil. Killed well and installed BOP. Unset packer. POOH w/ tubing & packer. RIH w/ 40 jts 2 7/8" for kill string. Si

09/16/2005 RU wireline. RIH got on depth set CIBP @ 5275'. POOH load and test CIBP to 1000 psi. Rig up Baker Atlas perforating equipment. Perforate four intervals in three gun runs w/ 3 1/8" slick guns w/ 311T/ w 23 gram charges/ w 1 JSPF, 120° phasing. Intervals as follows:

Interval	Feet in interval	Shots per Foot	Shots Per Interval
5156' - 5176'	20'	1	20
5186' - 5192'	6'	1	6
5196' - 5204'	8'	1	8
5216' - 5236'	<u>20</u>	1	<u>20</u>
Totals	54'		54 shots

RIH w/ 5 1/2" fullbore production packer on 169 jts 2 7/8" tubing. Packer swinging @ 5240'. Pump water w/ reverse unit, break circulation, and circulate hole clean w/ 120 bbls water. RU McClaskey Acid Pump Truck. Pumped 210 gals 15% HCL Acid. Displace with 29 bbls water. PUH laid down 5 jts tubing. Reverse circulate 6 bbls water to clear casing annulus. Set packer @ 5088', and tested casing to 500 psi. ND BOP, NU Wellhead. Pumped acid into perforations @ 4 BPM @ 1830 psi w/ 10 bbls water. SI

09/17/2005 Tbg & Gsg Press = 0. RU Swab. Initial FL @ 2500' f/ surface. Made 4 swab runs. Recoved 19 bbls water no oil. Fluid was entering the well at 500' per hour. SI



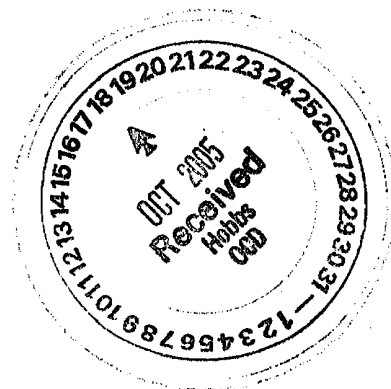
09/21/2005 RDMO PU waiting on orders.

09/26/2005 RU PU, Install BOPE. SI

09/27/2005 Tbg Press = 1000. Blew down tubing. POOH w/ 164 jts tbg & production packer. RIH w/ sandline drill bailer. Tag CIBP @ 5275'. Drill on CIBP @ 5275'. Made three trips cleaning out ball sealers and drilling on CIBP. Did not move CIBP downhole. . POOH w/ bailer, RIH w/ 40 jt kill string. SI

09/28/2005 POOH w/ kill string. RIH w/ sandline drill bailer. Drill on CIBP @ 5275'. Knocked CIBP downhole to 5461'. POOH w/ sandline bailer. RIH w/ 2 7/8" bull plugged perforated tubing sub, Seating nipple, 1 jt special alloy, 13 jts 2 7/8" tubing, 5 1/2" tubing anchor, 161 jts 2 7/8" tubing. Set TAC @ 4996'. Seating nipple @ 5429', bottom of perforated sub @ 5434'. Set anchor in tension and nipple up wellhead. SI

09/29/2005 RIH w/ 2" RWBC pump, 10 - 1" rods, 136- 7/8" rods, 69 - 1" rods, and 1.25X26 polish rod w/ 1.5" liner. Hung well off. Load and tested tubing and pump to 1000 psi. Started well to production facilities.

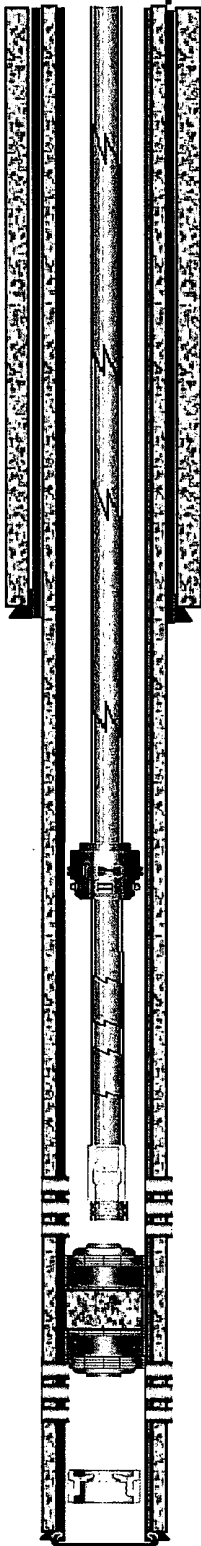




William Turner No. 8  
New Well Completion

Well Spud on 007/11/2005

Marathon Oil Company  
William Turner No. 8  
UL"l", Sec 29, T-21-S, R-37-E  
13-Oct-05



Surface Casing  
8 5/8" 24# J-55 set @ 399' w/ 800 sks cmt.  
Cmt to surface

Tubing Anchor @ 4996'



Seating Nipple @ 5429'  
Perf Sub w/ BP @ 5434'

20' cmt and old CIBP  
CIBP on top fo CIPB @ 5480'  
Top of cmt @ 5460'

Upper & Middle Paddock Perfs  
5156'-5236' & 5284'-5397'

CIBP set @ 5480'

Isolated lower Paddock perfs 5513'-5521'

PBTD 5671'

Production Casing  
5 1/2" 17# K-55 Set @ 5706' Cmt w/ 1021 sks  
Cement to surface on production casing

TD @ 5706'

Well Name & Number:	William Turner No. 8		Lease	WM Turner	
County or Parish:	Lea	State/Prov.	New Mexico	Country:	USA
Perforations: (MD)	5156'-5236' & 5284'-5397' / 5513'-5521'		(TVD)	5706'	
Date Completed:	09/30/05			RKB:	
Prepared By:	Charles Kendrix		Last Revision Date:	10/13/05	