

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. 30-025-37072
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: William Turner
8. Well Number 7
9. OGRID Number 14021
10. Pool name or Wildcat Emice San Andres (24150)

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 I ; 2310' feet from the South line and 990' feet from the East line Section 29 Township 21-S Range 37-E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3467' GR
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: ☐

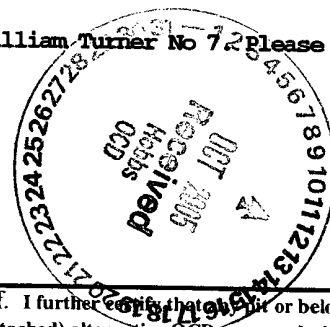
SUBSEQUENT REPORT OF:

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

OTHER: **New Completion Perf & Acidize** ☒

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 perforate and acidize the William Turner No 7. Please see attachment of work details to bring this new well on production.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that no 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 09/30/2005

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 OCT 17 2005

Conditions of Approval, if any:

William Turner No. 7
New Well
Perforate & Acidize
Isolate Lower Perforations

09/06/2005 RIH w/ 4 3/4" bit & casing scraper on 138 jts 2 7/8" tubing. Tagged @ 4285'. PUH to 4266'. Pressure test 2 7/8" rams to 1000 psi. Held pressure. Pumped 10 bbls 15% HCL acid and displaced to bottom w/ 22 bbls water. POOH w/ Bit & Casing scraper.

09/07/2004 Rigged up Baker Atlas perforating equipment. Assemble CCL/Gamma Ray on perf gun w/ 3 1/8" select fire gun carrier w/ 311T charges w/ 1 JSPF, 120° phasing. PU lubricator and test to 1000 psi. Perforated seven intervals in seven runs top down as follows:

Interval	Ft in Int.	No. Shots.
3926' – 3940'	14'	14
3956' – 3976'	20'	20
4000' – 4022'	22'	22
4030' – 4047'	17'	17
4086' – 4092'	6'	6 Below CIBP
4101' – 4109'	8'	8 Below CIBP
Totals	87'	87 shots

Initial fluid level before perforating 425' f/ surface. Fluid level after forating 575'. Rigged down Baker Atlas and loaded casing with 20 bbls water caught pressure and displaced acid into perforations w/ 10 bbls water @ 1/2 BPM @ 1100 psi. RIH w/ RBP, ball catcher, packer, seating nipple, and 125 joints 2 7/8" tubing. Left RBP swinging @ 3880'.

09/08/2005 Continued in hole w/ RPB, and treating assembly, on 133 joints tubing. Set RBP below all perforations @ 4150'. PUH set packer @ 3987'. RU Macklasky Acid pump truck. Test lines to 5000 psi. Pump 10 bbls water to establish rate @ 5.3 BPM @ 2000 psi. Switched to acid, pumped 3150 gals 15% HCL acid, flushed with 50 bbls water while dropping 100 - 7/8" ball sealers. Saw excellent ball action with maximum of 4000 psi. Surged balls off perforations & started back pumping. Well went on vacuum in 3 minutes. Perforation communicated during acid job. RIH retrieve RBP. PUH set RPB @ 3988'. PUH set packer @ 3961'. Nipple down BOP, nipple up wellhead. Pressure casing annulus to 500 psi. RU Acid Pump Truck. Test lines to 5000 psi. Pump 10 bbls water to establish rate @ 5.3 BPM @ 1500 psi. Switched to acid, pumped 1200 gals 15% HCL acid, & flushed w/ 40 bbls water. Dropping 50 - 7/8" ball sealers. Saw excellent ball action. Surged balls off and started back pumping. Pressure fell to 1000 psi and well went on vacuum in 1 minute. RD acid pump truck. RU swab. Initial FL @ 800' f/ surface.

Made 24 swab runs, final FL @ 1000' f/ surface. Total load water in upper perfs 100 bbls. Total load water in lower perfs 160 bbls. Already recovered 115 bbls water, 15 bbls more than the load in upper perfs. RU metering and testing separator.

- 09/09/2005 Check SI tubing press = 225 psi. Open well up blow down tubing press. RU swab. RIH w/ initial FL @ 800' f/ surface. Made 27 swab runs recovered 167 bbls load water. Well started flowing. Flowed well to frac tank on 32/64" choke. Leave well flowing to test separator for the weekend on 32/64" choke w/ tubing press 120 – 150 psi. Well made 710 bbls water, 3 bbls oil, with gas rate of 409 mcf per day.
- 09/12/2005 Killed well. Nipped down wellhead and NU BOP. Unset packer. RIH w/ 4 jts 2 7/8" tubing to 3986' retrieved RBP. POOH w/ RBP w/ ball catcher, packer, and 128 jts tubing. RIH w/ 5 1/2" Arrow set packer, 2 7/8" seating nipple, 128 jts 2 7/8" J-55 tubing. Set packer @ 3986' w/ 17,000 lbs compression. Bottom of packer @ 3990'. Isolated to test perforations f/ 4000' to 4109'. ND BOP and installed well head tree. RU swab. RIH w/ swab initial FL @ 1000' f/ surface. Made 27 swab runs recovered 130 bbls water. Final FL @ 1000' f/ surface. Casing pressure rose f/ 0 to 380 psi while swabbing.
- 09/13/2005 Check tubing & casing press. Tubing = 500 psi Casing = 520 psi. Blow down tubing. RU swab. RIH w/ swab initial FL @ 800' f/ surface. Made 26 swab runs recovered 212 bbls water. Final FL @ 800' f/ surface. Casing pressure rose f/ 520 psi to 900 psi. Well tried to flow after 22nd swab run but died.
- 09/14/2004 Check tubing & casing press. Tubing = 400 psi; Casing = 1050 psi. RIH w/ swab initial FL @ 1000' f/ surface. Made 12 swab runs recovered 243 bbls water. Final FL @ 600' f/ surface. Casing pressure fell f/ 1050 # To 900 #. Well tried to flow after numerous swab runs, but died after 1 hour each time.
- 09/15/2005 RD PU wait on orders.
- 09/21/2005 RU PU. Kill well. ND tree NU BOP. POOH w/ tubing & packer. RU wireline. Set CIBP @ 4085' isolating perfs f/ 4086' to 4109' below CIBP. RD wireline. RIH w/ 2 7/8" bull plugged perforated sub, seating nipple, 1 2 7/8" special alloy joint, 8 jts 2 7/8" tubing, 5 1/2" tubing anchor, 120 jts 2 7/8" tubing, 25' of 2 7/8" tubing subs, & 1jt 2 7/8" tubing. Set TAC @ 3788' in 12,000 lbs tension. Seating nipple @ 4075'. Bottom of tubing @ 4079'. Producing perforations from 3926'- 4073'. ND BOP NU wellhead.

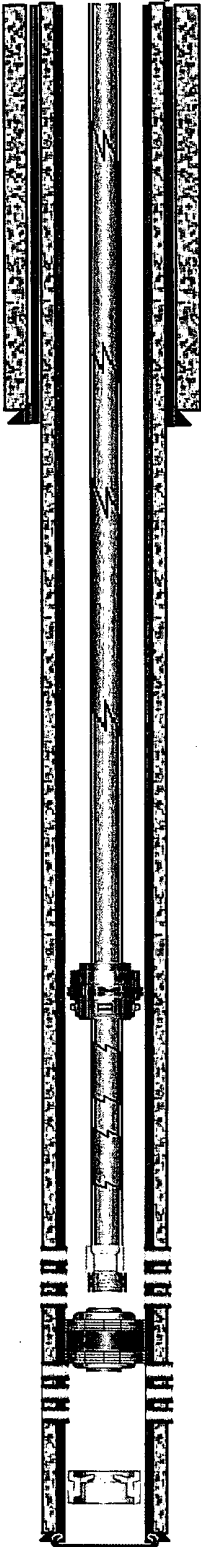
- 09/22/2005 RIH w/ 2" RWBC pump w/ 1.5" gas anchor, 96 – 7/8" rods,
65 – 1" rods, 1 1/4" polish rod w/ 1.5" liner. Hung well on. Load and tested
tubing to 1000 psi. Check pump action. Left well down until surface
equipment is ready.
- 09/23/2005 Started well pumping to facilities.



William Turner No. 7
New Well Completion

Well Spud on 007/11/2005

Marathon Oil Company
William Turner No. 7
UL"I", Sec 29, T-21-S, R-37-E
4-Oct-05



Surface Casing
8 5/8" 24# J-55 set @ 399' w/ 380 sks cmt.
Cmt to surface

Tubing Anchor @ 3788'

Seating Nipple @ 4075'
Perf Sub @ 4079'

San Andres Perfs 3926' - 4047'

CIBP set @ 4085'

Isolated lower San Andres Perfs 4086' - 4109'

PBTD Float collar @ 4296'

Production Casing
5 1/2" 17# K-55 Set @ 4320' Cmtd w/ 1150 sks
Cement to surface on production casing

TD @ 4320'

Well Name & Number:	William Turner No. 7		Lease	WM Turner	
County or Parish:	Lea	State/Prov.	New Mexico	Country:	USA
Perforations: (MD)	3926'-4047' / 4086' - 4109'		(TVD)	4320'	
Date Completed:	09/23/05				RKB:
Prepared By:	Charles Kendrix	Last Revision Date:		10/04/05	