

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. <u>015</u> <u>30-015-37071</u>
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: <u>William Turner</u>
8. Well Number <u>6</u>
9. OGRID Number <u>14021</u>
10. Pool name or Wildcat <u>Penrose Skelly Grayburg (50350)</u>

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.) <u>3472' GR</u>
2. Name of Operator <u>Marathon Oil Company</u>	
3. Address of Operator <u>P.O. Box 3487 Houston, TX 77253-3487</u>	
4. Well Location Unit Letter <u>J</u> : <u>1650'</u> feet from the <u>South</u> line and <u>1650'</u> feet from the <u>East</u> line Section <u>29</u> Township <u>21-S</u> Range <u>37-E</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:

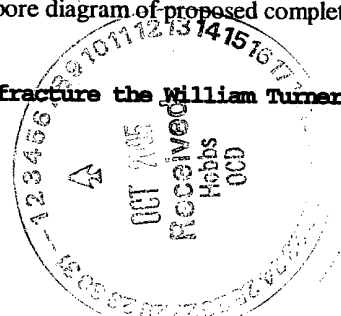
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Perforate, Acidize, & Frac ☒

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, acidize, and fracture the William Turner No 6 well. 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 NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrick TITLE Engineering Technician DATE 09/28/2005

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 20 2005

Conditions of Approval, if any:

# **William Turner No. 6** **Completion Work** **Perforations, Stimulation**

07/15/2005 Pressure test BOPE stack, blind rams, and 2 7/8" pipe rams. Rigged up Baker Atlas. Rigged up and pressure test lubricator, well head, BOPE, and 5 1/2" casing to 1000 psi. RIH tagged PBTD @ 4536'. Got on depth correlated w/ Halliburton logs f/ 07/08/2005. Perforated the Penrose Skelly Grayburg top down in 10% Acedic Acid with 3 1/8" slick guns w/ 311T w/ 23 gram charges w/ 1JSPF, 120° phasing 0.380" diameter, in seven intervals with seven runs as follows:

Interval	Ft.	Shots
3696' – 3700'	4'	4
3722' – 3724'	2'	2
3740' – 3745'	5'	5
3818' – 3820'	2'	2
3846' – 3848'	2'	2
3854' – 3858'	4'	4
3868' – 3900'	<u>32'</u>	<u>32</u>
Totals	51	51

Rigged down perforators. Rigged up kill truck. Load casing, and pressure to 1100 psi. Broke down perforations. Pumped 4 bbls water and established rate of 0.5 BPM @ 1100 psi. Switched to acid, and pumped 500 gals 15% HCL Acid. Displaced acid to bottom w/ 94 bbls water. Shut in well. Rigged down kill truck.

07/19/2005 Rigged up Halliburton acid equipment. Acidized f/ 3696' to 3900' w/ 4000 gallons 7 1/2% HCL Acid @ 55 BPM @ maximum pressure of 2083 psi minimum pressure 907 psi. Flushed w/ 86 bbls water.

Sand fracture started pumping pad break down perforations @ 54 BPM @ 2184 psi. Pumped pad of 618 bbls. Pumped 123 bbls 1#/ gal sand, pumped 167 bbls 2#/gal sand. Pumped 166 bbls 3#/gal sand. Pumped 167 bbls 4# / gal sand. Pumped 167 bbls 5#/gal sand. Pumped 235 bbls 6#/gal sand. Pumped 83 bbls flush. Rigged down Halliburton. Total load to recover 1947 bbls Acid and Frac load. Pumped 157,920 lbs Premium Brown 20/40 sand w/ Halliburton additive Expedite 225 Flow back control added. Well on vacuum.

07/21/2005 Change out BOP stack. Set pipe racks and tubing. Set rods off to side of location. Check well pressure, Press=0. RIH w/ 4 3/4" blade bit on 123 jts. 2 7/8" tubing. Tagged top of sand fill @ 3839'. Picked up power swivel and broke circulation. Took 150 bbls to circ. Cleaned out sand fill f/ 3839' to PBTD @ 4565'. Circ hole clean. Laid down swivel and 33 jts tubing to 100' above top perf.

07/22/2005 POOH w/ kill string, bit sub, and blade bit. RIH w/ mud joint, seating nipple, special alloy joint, 2 jts 2 7/8" J-55 tubing, @ 2 7/8" X 5 1/2" Tubing anchor, and 114 jts 2 7/8" J-55 production tubing. TAC @ 3537', Seating nipple @ 3632', bottom of mud joint @ 3662'. (34' above top perf). Removed BOP Set TAC w/ 15 pts tension, installed wellhead. RIH w/ RWBC pump w/ 1.5" gas anchor, 10 – 1" rods, 94 – 7/8" rods, 39 – 1" rods, 4' - 1" rod sub, 1.25" x 26' polish rod w/ 1.5" liner. Hung well on, loaded and test tubing and pump to 1000 psi. Held w/ good pump action. Left well down.

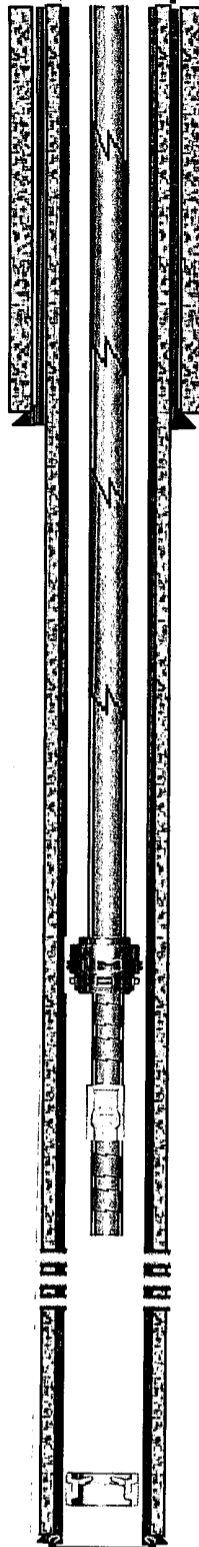
07/23/2005 Installed pumping unit. Hung well off and started pumping to production facility.



# William Turner No. 6 New Well Completion

Well Spud on 06/27/2005

Marathon Oil Company  
William Turner No. 6  
UL"J", Sec 29, T-21-S, R-37-E  
28-Sep-05



Surface Casing  
8 5/8" 24# J-55 set @ 411' w/ 380 sks cmt.  
Cmt to surface



Tubing Anchor @ 3537'

Seating Nipple @ 3632'

Bottom of Mud joint @ 3662'

Penrose Skelly Grayburg Perforations  
at 3696' to 3900'

PBTD Float collar @ 4565'

Production Casing  
5 1/2" 17# K-55 Set @ 4594' Cmtd w/ 1250 sks  
Cement to surface on production casing

TD @ 4594'

Well Name & Number:	William Turner No. 6		Lease	WM Turner		
County or Parish:	Lea	State/Prov.	New Mexico		Country:	USA
Perforations: (MD)	3696' to 3900'		(TVD)	4594'		
Date Completed:	07/23/05				RKB:	
Prepared By:	Charles Kendrix		Last Revision Date:	09/28/05		