Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED
DEC 28 2005
OCD-ARTESIA

5. Lease Serial No.
NMNM 0556290

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Williamson Federal No. 4

2. Name of Operator
Marathon Oil Company

9. API Well No.
30-015-21438

3a. Address
P.O. Box 3487 Houston, TX 77253-3487

3b. Phone No. (*include area code*)
713-296-2096

10. Field and Pool, or Exploratory Area
Burton Flat Strawn

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
UL"F" Sec 15, T-20-S, R-29-E, 1980 FNL & 1980 FWL

11. County or Parish, State
Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☒ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Marathon Oil Company is requesting that the Temporary Abandoned status be extended on the Williamson Federal No 4. The well was tested for mechanical integrity on 11/30/2005 and held 545 psi for thirty minutes. Original chart for MIT is included with this filing.

This well was drill stem tested at aproximately 150 to 200 mcf per day from the Morrow formation. Marathon plans to go back to this formation. Please see attached details of proposal for re-completion, but until that time we are requesting that we be granted an extension to the TA status.

APPROVED FOR 12 MONTH PERIOD
ENDING 11/30/2006

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*)
Charles E. Kendrix

Title
Engineering Technician

Charles E. Kendrix

Date 12/14/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA

Title PETROLEUM ENGINEER

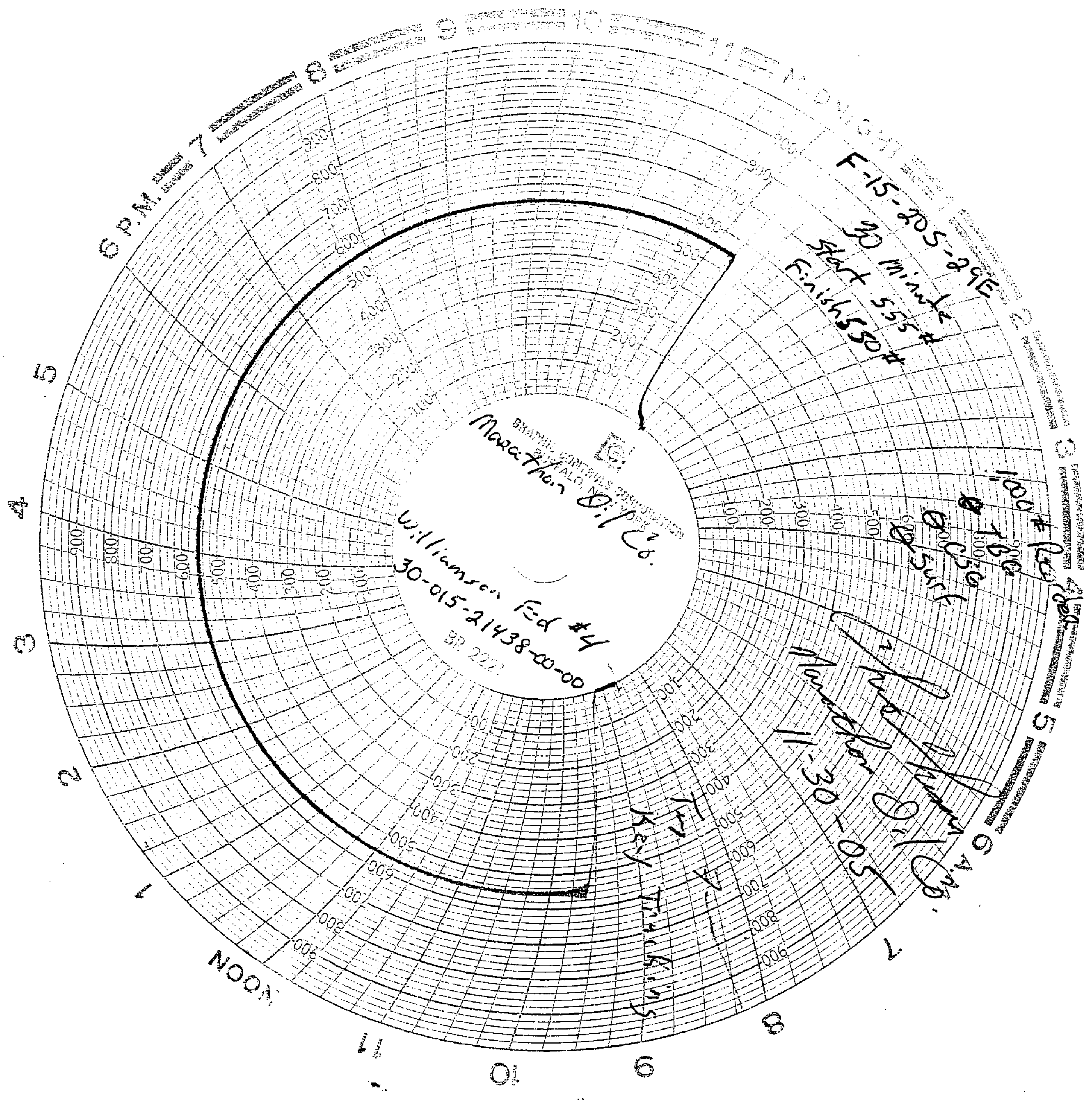
Date DEC 22 2005

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Accepted for record - NMOCD

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.


F-15-20S-29E
30 minute
Start 555#
Finish 530#
1000# Reg
@ TBG
@ CSG
@ Surf
Marathon Oil Co.
11-30-05
Troy P
Key Trucking
Marathon Oil Co.
Williamson Fed #4
30-015-21438-00-00

Williamson Federal # 4
NW/4 sec.15-20S-29E
Eddy Co., NM

This well has been TA'ed since December, 2003 after an unsuccessful Delaware sand recompletion was finished that summer. A CIBP was mechanically set @ 5608' and the 4.5" csg was loaded with treated water. 30 jts of 2.375" tbg was landed OE and casing tested to 540 psig.

There is a wellbore schematic available that details the original completion in the Strawn and subsequent workover along with two subsequent PB/recompletion operatives.

Proposal to complete the Morrow @ 11400'-11700' in this wellbore, which is not cased.

1. RU kill truck to well and test casing to 500 psig.

2. RU WSU, ND tree, install and pressure test BOPE blind rams/pipe rams. POOH/stand back 2 3/8" tbg.

3. PU/make-up/stand back four - 3 1/8" drill collars, install 3 3/4" bit and sub, run collars, and continue in hole with 2 3/8" 4.7 #/ft N or L-80 tubing to first CIBP @ 5608'. RU reverse unit, pump and pit. Install stripper head; drill out BP and RIH to next cement/CIBP @ 6915'. POOH/stand back tubing/collars.

4. TIH with squeeze packer on 2 3/8" tbg to 5400'. Set packer and test annulus to 500 psig. Install squeeze manifold. Establish injection rate with water; mix and pump(bullhead) 150 sx cement plus additives engineered for a salt water zone. Displace with fresh water at 1 BPM to clear packer. With 2 bbls of displacement remaining, shut down for 15 minutes; note pressure and pump 1/2 bbl and wait another 15 minutes; if pump pressure had not increased, extend wait time to 30 minutes before pumping another 1/2 bbl displacement. Do not overdisplace!!!!! Shut-in tubing and WOC overnight or the weekend.

5. POOH with squeeze tool. RIH with drilling assembly as before and drill out cement to bottom of perfs @ 5660'. Continue in hole to cement/CIBP @ 6915' and drill out; Ditto @ 9365'. Ditto @ 10425'. Continue in hole to PBTD @ 10902'. POOH and stand back tubing/collars.

6. TIH with cement retainer on 2 3/8" tbg to 10250'. Set retainer and load annulus with water. Cannot pressure test annulus as Wolfcamp perfs @ 9432-42 were not squeezed. Establish injection rate with water; mix and pump 150 sx cement as per procedure outlined in step # 4 above. WOC.

7. POOH with stinger/seal assembly. RIH with drilling assembly as before and drill out retainer and cement to bottom of perfs @ 10620'. Continue in hole to PBTD @ 10902'.

7(cont.)
Connect hydraulic-operated choke manifold to one of the tubing head side outlets. Circulate water thru the manifold and pressure test to 1000 psig. Direct the flare line according to the direction of the prevailing wind and any structures. Drill out cement, float collar and float shoe to bottom of 4 1/2" csg. @ 11016'.Continue in hole to 11100', and circulate hole clean. POOH and lay down tbg/collars.

8. Install regular, notched 2 7/8" tbg. collar on bottom of 2 7/8" 6.5 #/ft L-80 EUE 8RD with cement wiper-plug latch-down baffle installed at the top of this first joint. Test tubing below the floor to 8500 psig while running. Install centralizers on jts # 1, 4 ,7, 10...28, for a total of 10.
Circulate bottoms up @ depth of 11300', 11600', and at 11,950'—TD.
Note: mud weight @ TD was 9.8 PPG per OH log heading. Morrow BHP @ 11500' was 4900 psig---DST.

9. Reciprocate and rotate casing with power swivel while scouring the previously drilled hole to condition for cementing. When fluid returns indicate wellbore is cleaned, RD power swivel and land 2 7/8" casing.

10. RU service company and break circulation with fresh water preflush; then cement with volume as necessary to bring TOC to 10400'. Wash lines and install wiper plug. Displace with 5 bbls 7 1/2 % HCL containing inhibitor and surfactant(perforating acid) followed by remainder of 2 % KCL/surfactant displacement volume. Latch into baffle and seat plug @ 1000 psig over final displacement pressure. Release pressure; rig down service company; install valve on 2 7/8" casing and shut-in.

11. Complete as per instructed, to include proppant frac.