

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA  
**COPY**  
MAR 30 2009

FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010

**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 page 2.**

1 Type of Well <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No. <b>NM-05551-B</b>
2 Name of Operator <b>Marathon Oil Company</b>		6 If Indian, Allottee, or Tribe Name
3a Address <b>5555 San Felipe @ Mail Stop #3308 Houston, Texas 77056</b>	3b Phone No (include area code) <b>713-296-3412</b>	7 If Unit or CA Agreement Name and/or No <b>Nort Indian Basin Unit</b>
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>UL 2,215' 255' 11 T 21-S R 23-E Long. 104.58032</b> <b>"L" FSL FEL</b>		8 Well Name and No <b>NIBU #27</b>
		9 API Well No <b>30-015-28977</b>
		10 Field and Pool, or Exploratory Area <b>South Dagger Draw / Upper Pen Associated</b>
		11 County or Parish, State <b>Eddy New Mexico</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> 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 recomple horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No on file with the 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 recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection )

**\*\*Marathon Oil Company is requesting a Temporary Abandonment status for the above mentioned well, North Indian Basin Unit #27, per procedure listed below:**

- > Wait on permit approval before beginning this work!
- > MIRU pulling unit and reverse unit .
- > Kill well with fresh water
- > Install and test 3000# BOP.
- > POOH w/open ended 2-7/8" tubing/lay down tubing anchor
- > RIH w / tubing conveyed CIBP
- > Set CIBP at 7,634'.
- > POOH laying down tubing
- > Load casing with fresh water .
- > Test casing and CIBP to 500psi per regulatory requirements.
- > Send in pressure chart to "Regulatory Compliance" dept.
- > Bull plug well head
- > RDMO.

Accepted for record  
NMOCDF

**NOTE:** Fresh water to be used, no solids or waste are to be generated. There are no plans to remove any fluids from the well during this work, and as we indicated above, we plan to top off the well with fresh water once the plug is set. The only fluid on location during this work will be fresh water

**Spud Date:** Estimated April 2009

**Rig Release Date:** Estimated April 2009

12/2005 LAST MONTH WELL ON PROD. ALL MONTH

cc: BG, JV, RRS, WRF, FIELD

14 I hereby certify that the foregoing is true and correct  
Name (Printed/ Typed)

<b>RICK R. SCHELL</b>	Title <b>REGULATORY COMPLIANCE REPRESENTATIVE</b>
Signature <i>Rick R. Schell</i>	Date <b>3/16/2009</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>/s/ JD Whitlock Jr</b>	Title <b>LPET</b>	Date <b>3/28/09</b>
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 <b>CFO</b>	

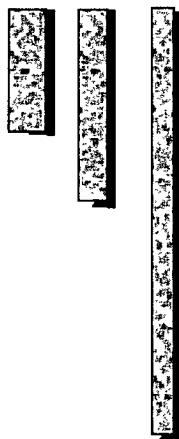
Title 18 USC Section 1001 AND Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

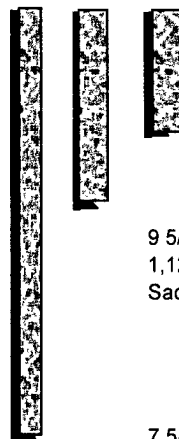
SEE ATTACHED FOR  
CONDITIONS OF APPROVAL.

**Procedure:**

- Wait on permit approval before beginning this work.
- MIRU pulling unit and reverse unit.
- Kill well with fresh water.
- Install and test 3000# BOP.
- POOH with 2 7/8" tubing and lay down tubing anchor.
- RIH with tubing conveyed CIBP.
- Set CIBP at 7,634.
- POOH laying down tubing.
- Load casing with fresh water.
- Test casing and CIBP to 500 psi per regulatory requirements. Make sure chart recorder is installed before pressure test.
- Send in pressure test chart to regulatory department.
- Bull plug well head.
- RDMO.



13 3/8" Conductor Casing  
Set at 16'. Cemented to  
Surface



9 5/8", 36#, K-55 Surface Casing Set at  
1,122'. Cemented to Surface w/ 625  
Sacks Cmnt. Circulated 422 Sacks.

7 5/8", 26.4#, N-80 Intermediate Casing  
Set at 1,224'. Cemented to Surface w/  
200 Sacks Cmnt. Circulated 40 Sacks.



#### Tubing

245 Joints 6.5# L-80 @ 7,639'

5 1/2" TAC @ 7,643'

12 Joints 6.5# L-80 @ 8,020'

2 7/8" Seating Nipple @ 8,021'

Cavins Tool @ 8,136'

2 7/8" Dump Valve @ 8,137'

Canyon Perforations (2 SPF) 7,684'-7,750', 7,770'-  
7,860'

5 1/2", 17#, K-55 Production Casing Set at 8,308'.  
Cemented to Surface w/ 1260 Sacks Cmnt. Circulated  
1260 Sacks.

Well Name & Number:		North Indian Basin Unit #27		Lease	NM-05551		
County or Parish:		Eddy	State/Prov.	New Mexico		Country:	USA
Perforations: (MD)			(TVD)				
Angle/Perfs		Angle @KOP and Depth	0		KOP TVD	0	
BHP:	0	BHT	0	Completion Fluid:			
FWHP:		FBHP:		FWHT:		FBHT:	Other:
Date Completed:						RKB:	
Prepared By:		Bryson Goeres		Last Revision Date:		02/26/09	

**BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

**Temporary Abandonment of Wells on Federal Lands  
Conditions of Approval**

A temporarily abandoned well is defined as a completion that is not capable of production in paying quantities but which may have value as a service well. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

Temporary Abandonment (TA) status approval requires a successful mechanical or casing integrity test as follows:

1. A Notice of Intent (NOI) Sundry Notice (Form 3160-5) requesting approval to run a mechanical integrity test (MIT) or casing integrity test (CIT).
2. A description of the temporary abandonment procedure.
  - a. A bridge plug or packer must be installed as close to 50 feet above any open perforations or open hole as possible. If a cement plug is used, the top of the cement must be verified by tagging.
  - b. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes with a 10% allowable leakoff.
  - c. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
  - d. A bradenhead test must be conducted. If the test indicates a problem exists, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
  - e. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 575-361-2822; Lea County 575-393-3612.
3. Provides justification why the well should be temporarily abandoned rather than permanently plugged and abandoned and an estimated date that the well will be returned to beneficial use or plugged and abandoned.

Wells that successfully pass the casing integrity test may be approved for Temporary Abandonment (TA) status provided that the operator:

1. Submits a subsequent Sundry Notice (Form 3160-5) requesting TA approval.
2. Describes the temporary abandonment procedure.
3. Attaches a clear copy or the original of the pressure test chart.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following.

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.

**Submit Subsequent Report and well bore diagram with all Perforations and CIBP with tops of cement. Well will be approved after successful MIT and subsequent report is submitted. Well must be online or plans to P&A well by March 28, 2010 NIBU #27.**