

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210FORM 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

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
Primero Operating, Inc.3a. Address  
PO Box 1433, Roswell, NM 88202-14333b. Phone No. (include area code)  
575 626 76604. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1980 FSL, 660' FEL, Section 9, T4S, R27E5. Lease Serial No.  
NM-102906

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
Thunderhead Federal #1  
9. API Well No.  
30 005 6411410. Field and Pool or Exploratory Area  
Wildcat11. Country or Parish, State  
Chaves, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Plug and Abandon	<input 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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

October 20, 2009: Set CIBP @ 5950' and bail 35' of cement on top of it. RIH w/ tubing, Circulate the hole with 9.0# mud and POH leaving tubing @ 3700'.

October 21, 2009: Pump 35 sx Class C plug at 3700', WOC 2 hours and RIH and tag cement @ 3435'  
Pump 55 sx Class c plug at 1560', WOC 3.5 hours and RIH and tag cement @ 978'  
Pump 6 sx Class C plug at 60', open casing valve and cement fell, Cement pump broke so could not fill casing.

October 22, 2009: RIH w/ one joint tubing, tag cement at 31.5', RDMO Pulling Unit.

November 5, 2009: Cut well head off approximately 4' below ground level and fill 5 1/2" casing and annulus with 9 cubic feet of portland cement. Weld plate on 8 5/8" casing and install 4 1/2" Dry Hole Marker. Dug out and removed anchors and leveled location.

See Well Bore Attached

We plan to consult with BLM and Landowner and then reclaim surface as needed.

APPROVED AS TO PLUGGING OF THIS  
WELL BORE. LIABILITY UNDER BOND  
IS RETAINED UNTIL SURFACE RESTORATION  
IS COMPLETED14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Phelps White

Title President

Signature

Date 11/04/2009

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ DAVID R. GLASS

Title PETROLEUM ENGINEER

Date

NOV 06 2009

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 ROSWELL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)



## Well Bore Diagram

Well Name: Thunderhead Federal Unit #1  
Field: Wildcat, Strawn

Last Update: 10/21/2009  
Spud Date: 25-Jun-09 TD 9-Jul-09  
P&A Date: 10/21/09

### Log Tops

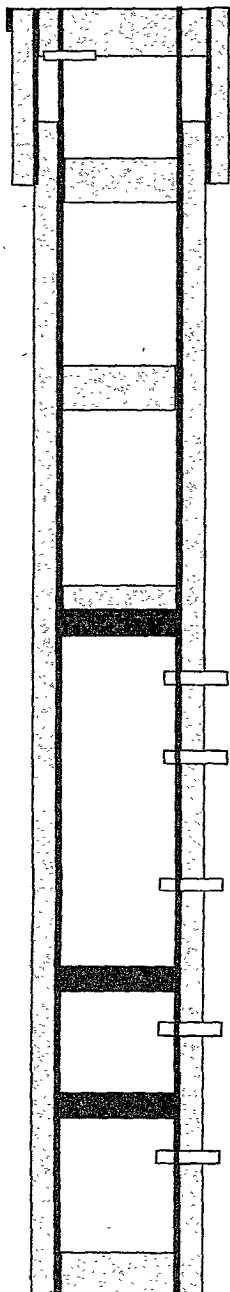
San Andres	1236
Glorietta	2400
Abo	2506
Wolfcamp	5248
T. Penn 3-Bros	5930
Strawn	6316
Mississippian	6586
TD	6820

Sq holes @ 60', 10/20/09  
6 sx pumped @ 60'

55 sx cement @ 1560'  
tagged @ 978'

35 sx cement @ 3700',  
tagged @ 3435'

CIBP + cmt @ 5950', 10/20/09



40' 14" conductor

Top of Cement @ 1140'

1508' 8 5/8" 24# J-55 ST&C  
680 sx 60/40C, 200sx Class C+2%CaCl, circulated

Depth	Deviation
498	1/2
965	1
1508	3/4
1994	2 3/4
2153	3
2248	1 1/2
2366	2 3/4
2493	1 1/4
2754	1
3222	1
4245	1
4774	3/4
5220	1/4
5799	1/2
6369	1/2

Perfs 5998-6008, 2spf 9/8/09

Perfs 6054-62, 2spf 9/8/09

Acidize 5998-6008, 6054-62 w/ 1500 gals 9/14/09, zones swab  
some burnable gas, little entry.

Perforations: 6312 - 32, 1 SPF, 9/8/09

Acidize 1500 gal 9/8/09, Swab Dry

CIBP @ 6380', 9/8/09

Perforations: 6404 to 6424', August 26, 2009

Acidize w/ 2000 gals 7.5% NEFE 8/28/09

Swab Dry, No Show oil or gas

CIBP Set @ 6485' w/ 35' cement. 8/26/09

Perforations: 6498 to 6508', July 29, 2009

Perforations produced naturally. Well tests indicate  
very limited reservoir. Perfs plugged back 8/26/09

PBTD @ 6713'

6799 5 1/2" 17# J and K

1215 sx 50-50-10C+1/8#CF+6%FL-52A+,

305 sx 50-50-2C+5%Salt+.5%FL-52A+.3%CD-32

TD @ 6820, 7/9/09