

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014**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.**5. Lease Serial No.  
NM-0525452-A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Gas Storage Well2. Name of Operator  
El Paso Natural Gas Company3a. Address  
P. O. Box 1087, Colorado Springs, CO 809443b. Phone No. (include area code)  
719-520-45574. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1,980' FNL & 1,980' FWL, Section 3, Township 26 South, Range 24 East

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

8. Well Name and No.  
W. I. Federal 49. API Well No.  
30-015-20596-0010. Field and Pool or Exploratory Area  
Washington Ranch Gas Storage Project11. County or Parish, State  
Eddy County, NM

## 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 checked="" type="checkbox"/> Other Added perforations to existing Morrow gas storage reservoir.	
	<input type="checkbox"/> Change Plans	<input 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 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 must 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 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.)

## Original Perforated Intervals:

6,826'-6,838' GL @ 2 SPF  
 6,897'-6,915' GL @ 2 SPF  
 6,919'-6,928' GL @ 2 SPF

## 11/07/13: Added the following perforations:

6,764'-6,772' @ 4 SPF  
 6,825'-6,839' @ 4 SPF  
 6,895'-6,914' @ 4 SPF  
 6,919'-6,928' @ 4 SPF

United States Department of Interior - General Land Office  
 Agreement for the Subsurface Storage of Gas in the Morrow Formation  
 Washington Ranch, Eddy County, New Mexico  
 No. 14-08-0001-19562  
 Bond No.: 400JF 2507

RECEIVED  
 DEC 17 2013  
 NMOCD ARTESIA

ACCEPTED FOR RECORD  
 DEC 15 2013  
 BUREAU OF LAND MANAGEMENT  
 CARLSBAD FIELD OFFICE

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

Title Sr. Reservoir Engineer

Signature

Date 11/21/2013

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

Approved by

Title

Date

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

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)

# El Paso

**LEASE:** Washington Ranch #4  
**FIELD:** Washington Ranch  
**COUNTY:** Eddy  
**STATE:** New Mexico  
**LOCATION:** 3 26S 24E  
**API #:** 30-015-20596-00  
**SPUD DATE:** 03/11/1972  
**Rev. Date** 11/12/2013 Lively

ELEVATION: 3727' KB: 3743

TD: 7034' GL PBTD: 6996' GL

Size	ID
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5-1/2" – 4.95  
15.5#

5-1/2" – 5.012  
14#

2-7/8 2.441

Profile 2.25  
Nipple

Tagged PBTD @ 6945' GL on 9/16/2013  
 Tagged PBTD @ 6947' GL on 11/29/11

Perf 6764' – 6772' GL w/4SPF

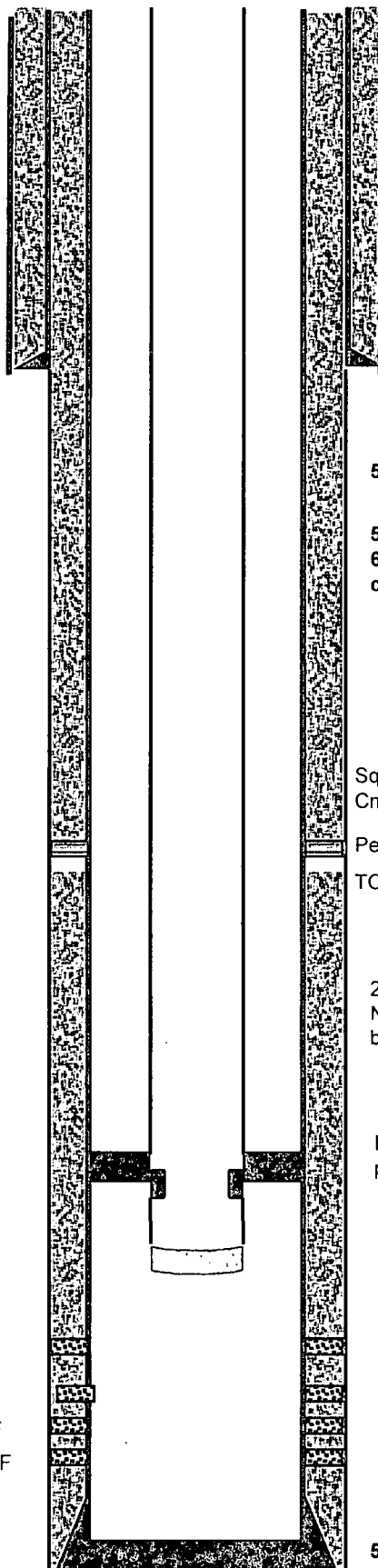
Perf 6825' – 6839' GL w/ 6 SPF

Perfs 6895 - 6914' GL w/ 6 SPF

Perfs 6919' – 6928' GL w/ 6 SPF

PBTD @ 6996' GL

TD 7-7/8" hole @ 7034' GL



Cmt'd w/ 175 sxs HLC & 150 sxs  
Class C, Cmt Circ.

18 jts, 8-5/8", 32# csg from set @ 710' GL

TD 11" Hole @ 714' GL

5-1/2", 14#, J55, ST&C csg from surf – 613' GL

5-1/2", 15.5#, J55, 8R, LT&C csg from  
613' – 1621' GL. Tied into original  
casing w/ Skirted Die Nipple on 4/24/92

5-1/2", 14#, J55, 8R, STC csg from  
1621' – 5157' GL. Original csg

Sqz w/ 570 sxs lead followed by 100 sxs Class H,  
Cmt Circ

Perf 4 sqz holes @ 6154' - 6156' GL on 4/25/92

TOC @ 6204' GL CBL ran 4/21/92

218 jts, & 1 ea. 6' & 10' subs, 2-7/8", 6.5#,  
N80, 8R, tbg w/ ABC modified collars Subs  
below 1<sup>st</sup> jt.

Seal assembly w/ 0.70' locator sub  
landed w/ 12, 000# comp.

Baker Model FB-1 (or Model D?)  
pkr @ 6756' GL

4" x 10' Mill out extension

Model R profile nipple w/ wireline  
entry guide on btm.

Cemented w/ 300 sxs Class C

5-1/2", 15.5#, J55, 8R, casing from 5157'  
to 7032' GL