

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM 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.  
NMNM14328

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** - Other instructions on page 2 **HOBBS OCD**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
MANZANO, LLC

3a. Address  
P.O. BOX 2107  
ROSWELL, NM 88202-2107

3b. Phone No. (include area code)  
575-623-1996

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 @ SURFACE: 660'FSL & 1050'FWL OF SECTION 17-T21S-R32E  
 @ BOTTOM HOLE: 2310' FSL & 330'FWL (LOT ) OF SECTION 18-T21S-R32E

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

8. Well Name and No.  
LITTLE VALLEY FEDERAL #1H

9. API Well No.  
30-025-41496

10. Field and Pool or Exploratory Area  
LOST TANK, DELAWARE

11. County or Parish, State  
LEA, NM

JAN 21 2014

RECEIVED

12. CHECK THE APPROPRIATE BOX(ES) 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 checked="" 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 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 recomplate 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.)

MANZANO REQUESTS TO CHANGE THE CASING PROGRAM FROM THE ORIGINAL APPROVED APD AS FOLLOWS:

MANZANO REQUESTS PERMISSION TO SET 5.5" 17#/FT P-110 LTC CASING FROM SURFACE TO TD OF 12339'MD/8300'TVD WITH CENTRALIZERS RUN ON EVERY JOINT FROM TD TO KOP @ 8600'MD/8057'TVD AND A DV TOOL SET @ 8600'MD/8057'TVD. CEMENT THE 1st STAGE WITH 100sx ECONOCHEM-HLH CEMENT w/5% SALT + 0.3% cfr-3 + 5#/sk KOL-SEAL + 0.125#/sk POLY-E-FLAKE (YIELD=1.98cu.ft/sk, WEIGHT=11.90#/gl) FOLLOWED BY 625sx VERSACHEM-H CEMENT w/0.5% HALAD-344 + 0.3% CFR-3 + 1#/sk SALT + 0.2% HR-601 (YIELD=1.28 cu.ft/sk, WEIGHT = 14.20#/gl). CEMENT THE 2nd STAGE WITH 885sx ECONOCHEM-H CEMENT w/0.3% CFR-3 + 0.5% HALAD-322+ 5#/sk KOL-SEAL + 0.125#/sk POLY-E-FLAKE + 0.25#/sk D-AIR 5000 + 0.3% HR-601 (YIELD=2.50cu.ft/sk, WEIGHT=11.90#/gl) FOLLOWED BY 150sx HALCEM-H CEMENT (YIELD=1.07 cu.ft/sk, WEIGHT = 16.40#/gl). A FLUID CALIPER WILL BE RUN PRIOR TO CEMENTING AND THE CEMENT JOB WILL BE MODIFIED TO INSURE THAT CEMENT IS CIRCULATED TO SURFACE.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Title MANAGING MEMBER

Signature *Mike Hanagan* Date 04/25/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Office \_\_\_\_\_

DEC 12 2013  
Date *ml*  
WESLEY W. INGRAM  
PETROLEUM ENGINEER

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)

JAN 22 2014

Little Valley Federal 1H  
30-025-41496  
Manzano, LLC  
December 12, 2013  
Conditions of Approval

1. The minimum required fill of cement behind the 5.5 inch production casing is:

**Operator has proposed DV tool at depth of 8600'. If depth varies by more than 100', operator shall submit a sundry.**

a. First stage to DV tool:

Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

b. Second stage above DV tool:

Cement to surface. If cement does not circulate, contact the appropriate BLM office.

**WWI 121213**