

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OILCONS. COMMISSION  
P.O. BOX 1980  
40885 NEW MEXICO 88240

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Manzano Oil Corporation

3. Address and Telephone No.

P.O. Box 2107, Roswell, NM 88202-2107 (505) 623-1996

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980'FNL & 660'FEL Sec 31, T19S, R33E

5. Lease Designation and Serial No.

NM-67110

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 31-G #1

9. API Well No.

30-025-27131

10. Field and Pool, or Exploratory Area

Gem Bone Spring

11. County or Parish, State

Lea County, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

1. Set CIBP over Delaware perfs @ 7600' + 25 sks cement on top of CIBP.
2. Set 100' cement plug @ 9-5/8" csg shoe 5300' back to 5200'.
3. Set 100' cement plug at 5-1/2" tie in from 4550' back to 4450'.
4. Set 100' cement plug across DV tool @ 3267'. Cement from 3300' back to 3200'.
5. Cut 5-1/2" @ 3000' or higher if stretch so indicates.
6. Set 100' cement plug @ 5-1/2" stub. 50' in and 50' out.
7. Set 100' cement plug @ 13-3/8" shoe.
8. Set 25 sks cement surface plug.
9. Install dry hole marker.

14. I hereby certify that the foregoing is true and correct

Signed D.E. Brown Title D.E. Brown, VP Engineering Date 11/20/95

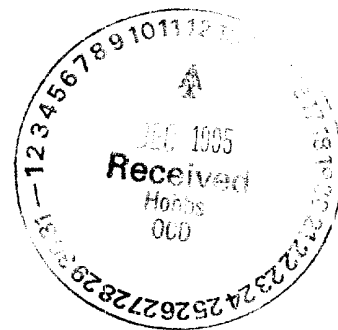
(This space for Federal or State office use)

Approved by (ORIG. SIGNED) JES G. LARA Title PETROLEUM ENGINEER Date 12/5/95

Conditions of approval, if any: See attached. Also perf & squeeze cement behind 5 1/2" csg for plug @ step #2.

Title 18 U.S.C. Section 1001, 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.

\*See Instruction on Reverse Side



Federal 31-G-#1  
 1980 FNL 9' to 60' FEL  
 Sec 31-195-332  
 Lea Co. New Mexico

1350'-13 3/8" - 4B #  
 Cemented w/1100 sks  
 Circulated

TOC 3200

TOC - 3200'  
 DV Tool @ 3267

Sq. 3100'-3465' w/850 sks  
 TOC 3200'

3406  
 +67

TOC 3940

TOC 3940'

Ran 5 1/2" w/14' x 7 1/2"  
 Extension. Set open  
 5 1/2" Stub - 1-5-87  
 Cemented w/125 sks  
 Class C; TOC 4000'

5 1/2" Csg Stub @  
 4489'

TOC 5360'  
 3-2-91

5250' - 9 5/8" - 40 #  
 Cemented w/2600 sks  
 w/DV @ 3267  
 Circulated

3-08-91 Delaware Perf 7643-84  
 Delaware Perf 7867-97

5360' Top of Cement  
 CBL 3-2-91.

Bone Spring Perf 10,500'-540'

10,400 CIBP + 25 sks  
 cement

10,639- Loc Set BP  
 DV Tool @ 10,653'

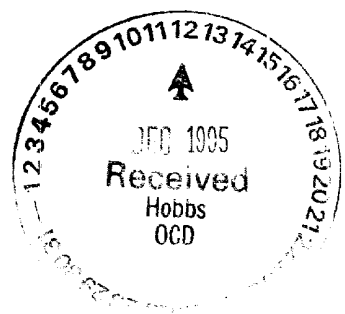
Wolfcamp Perf 11,434'-450'

PBTD (1-13-87) 11,564'  
 30 sks Plug 11573 to 11798  
 CIBP @ 13325' + 20 sks Cement

Morrow Perf 13,373'-403'

13653' - 5 1/2" - 17 # -  
 Cemented w/1760 sks  
 w/DV Tool @ 10,653

3-13-91 Have 335 ft - 2 3/8" Tbg - Open End  
 + 298 - 3/4" Rods and 110 - 7/8" Rods in  
 No Tbg Hole - No Pump  
 2-15



BUREAU OF LAND MANAGEMENT  
CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

1. Approval: Plugging operations shall commence within 90 days from the approval date of plugging procedure.
2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet ; and a 5M system for a well not deeper than 22,727 feet.
4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks ( 50 pounds each ) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.  
  
Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" , for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H" , for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.
6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).
7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

