

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N. M. OIL CORP. SUBMIT IN DUPLICATE
P.O. BOX 1000
HOBBS, NEW MEXICO 88240
(See other In-
structions on
Form 3160-4)

Form approved.
Budget Bureau No. 1004-0137
Expires 12/31, 1985
RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☒ DIFF. REVEN. ☒ Other _____

2. NAME OF OPERATOR
Manzano Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 2107, Roswell, NM 88202-2107

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2450' FSL & 660' FWL of Sec 25

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 30-025-27740 DATE ISSUED

12. COUNTY OR PARISH Lea 13. STATE NM

15. DATE STUDDED 12/22/88 16. DATE T.D. REACHED N/A 17. DATE COMPL. (Ready to prod.) 6/12/89 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 3587.6' GR 19. ELEV. CASINGHEAD 3587.6' GR

20. TOTAL DEPTH, MD & TVD 13,850' 21. PLUG BACK T.D., MD & TVD 10,975' (CIBP) 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0'-13,850' ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

9680' - 9929' (Bone Spring)

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

see files

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	478'	17-1/2"	600 sx CL C circ 100 sx	None
8-5/8"	24.28 & 32#	4938'	12-1/4"	345 Howco + 200 CLC +	
				1390 Howco + 200 CLC	None
5-1/2"	17 & 20#	13,835'	7-7/8"	1550 CIH, 250 CIH	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	13,360'	13,265'

31. PERFORATION RECORD (Interval, size and number) 9680, 9688, 9698, 9703, 9705, 9710, 9714, 9721, 9726, 9730, 9742, 9747, 9764, 9770, 9772, 9780, 9785, 9791, 9844, 9852, 9858, 9865, 9871, 9881, 9888, 9896, 9904, 9910, 9916 9929

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) 9680' - 9929'
AMOUNT AND KIND OF MATERIAL USED
Acidize w/2500 gal 7-1/2% NEFE & 45 ball sealers
Frac w/282,000# 16/30 sand & 3495 bbls gelled water

33. PRODUCTION

DATE FIRST PRODUCTION 6/12/89 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 6/12/89 HOURS TESTED 24 CHOKER SIZE N/A PROD'N. FOR TEST PERIOD 150 OIL—BBL. N/A GAS—MCF. N/A WATER—BBL. N/A GAS-OIL RATIO

FLOW, TUBING PRESS. N/A CASING PRESSURE N/A CALCULATED 24-HOUR RATE 150 OIL—BBL. 150 GAS—MCF. TSTM WATER—BBL. 80 OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TSTM TEST WITNESSED BY Carroll Bellah

35. LIST OF ATTACHMENTS See files

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Allison Higgins TITLE Land/Drilling Secretary DATE June 30, 1989

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware Bone Spring	4,950'	7,760'	Sands, shales			
1st Bone Spring	7,760'	8,843'	Limestones, shales			
Sand	8,843'	9,352'	Sands, shales			
2nd Bone Spring	9,352'	10,494'	Sands, shales			
3rd Bone Spring	10,494'	10,888'	Sands, shales			
Sand	10,888'	13,112'	Limes, shales			
Wolfcamp			Sands, shales			
Morrow						

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HOBBS OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEW MEXICO 88240

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐	7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Manzano Oil Corporation 505/623-1996	8. FARM OR LEASE NAME McKamey Federal	
3. ADDRESS OF OPERATOR P.O. Box 2107/Roswell, NM 88202-2107	9. WELL NO. 1-Y	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2450' FSL & 660' FWL Sec 25	10. FIELD AND POOL, OR WILDCAT East Lusk (Morrow)	
14. PERMIT NO. 30-025-27740	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3587' GR	11. SEC., T., R., M., OR ALK. AND SURVEY OR AREA Sec 25-T19S-R32E
		12. COUNTY OR PARISH Lea
		13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☒
(Other) Abandon Morrow

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

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

17. 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.) *

- 5/20/89 Set CIBP @ 10,975'. Perforate Bone Spring Sand from 9680' to 9929' (30 holes, 249'). Set packer @ 9625'.
- 5/21/89 Ran tubing below perfs @ 9941'. Spot 300 gal. acid across perfs. Set packer @ 9625'. Pumped 4.5 BPM @ 3860#. Acidized with 2500 gal 7-1/2% NEFE & 45 ball sealers. Average rate 4.2 BPM average pressure 4500#. ISIP 2220#, 5 min 2150#, 10 min 2110#, 15 min 2090#.
- 5/24/89 Frac down 5-1/2" casing with 282,000# 16/30 sand and 3495 bbls gelled water. Increased sand from 2# per gallon to 4# per gallon during treating. Average rate 49.2 BPM average pressure 3850#. ISIP 2962#, 5 min 2892#, 10 min 2866#, 15 min 2848#.

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

SIGNED Alvin C. Higgins

TITLE Land/Drilling Secretary

DATE June 30, 1989

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

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