

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved. 30-025-21116
Budget Bureau No. 1004-0137
Expires August 31, 1985

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

1b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESRV. Other Reentry

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 335' FNL & 2223' FEL Unit B

At top prod. interval reported below same

At total depth same

14. PERMIT NO. 30-025-21116 DATE ISSUED 8/24/92

5. LEASE DESIGNATION AND SERIAL NO.

NM-67110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 31-G

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

South Tonto Yates-SR

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 31, T19S, R33E

12. COUNTY OR PARISH

Lea

13. STATE

NM

15. DATE SPUNDED 9/23/92 16. DATE T.D. REACHED 2/19/93 17. DATE COMPL. (Ready to prod.) 3/29/93 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3579' GL 19. ELEV. CASINGHEAD 3579' GL

20. TOTAL DEPTH, MD & TVD 3225' 21. PLUG, BACK T.D., MD & TVD 3139' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS X CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
2984-3020' overall - Yates

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Cased Hole CNL w/GR & CCL

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	32#	500' KB	12-1/4"	300 sx Class C	None
4-1/2"	11.6#	3225' KB	7-7/8"	700 sx PSI C & 300 sx Class C	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD	PACKER SET (MD)
					SIZE <u>2-7/8"</u>	DEPTH SET (MD) <u>2929'</u>
						PACKER SET (MD) <u>No Pkr</u>

31. PERFORATION RECORD (Interval, size and number)

3093-3104'; 3004-08'; 2998-3002'; 2988-94'; 2984-86'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>3093-3104'</u>	<u>Acidized w/2000 gal 20% NEFF + 15 balls</u>
<u>2984-3008'</u>	<u>Frac w/35k gal + 96k# 16/30 Sand Acidized w/1500 gal 15% NEFF + clay stay & 35 balls</u>

33. PRODUCTION

DATE FIRST PRODUCTION 3/30/93 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 4/7/93 HOURS TESTED 24 CHOKER SIZE _____ PROD'N. FOR TEST PERIOD _____ OIL—BBL. 75 GAS—MCF. TSTM WATER—BBL. 51 GAS-OIL RATIO _____

FLOW. TUBING PRESS. _____ CASING PRESSURE _____ CALCULATED 24-HOUR RATE _____ OIL—BBL. 75 GAS—MCF. TSTM WATER—BBL. 51 OIL GRAVITY-API (CORR.) 36

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Ronnie Carre

35. LIST OF ATTACHMENTS
Cased Hole CNL w/GR & CCL

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

SIGNED _____ TITLE Engineering Technician DATE April 13, 1993

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

C. G. W.

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.	TOP	
				NAME	MEAS. DEPTH
					TRUF. VERT. DEPTH
Salt	1356	2760	Salt		
Yates	2923	3160	Anhydrite, Sand, Dolomite, Shale		
even Rivers	3160	3250	Dolomite, Sand		
aptain Reef	3290	5050	Dolomite, Sand, Shale		
elaware	5050	7914	Sand, Shale & Dolomite		
one Spring arbonate	7914	8964	Limestone & Shale		
st Bone Spring and	8964	9396	Sand, Shale & Limestone		