

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

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

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. RENVR. ☐ 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 1980' FNL & 660' FEL Unit 14

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
5-10-91

5. LEASE DESIGNATION AND SERIAL NO.
NM-83072

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cato Federal

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Cato San Andres

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 35, T7S, R30E

12. COUNTY OR PARISH
Chaves

13. STATE
NM

15. DATE SPUDDED 6-11-91 16. DATE T.D. REACHED 6-18-91 17. DATE COMPL. (Ready to prod.) 7-23-91 18. ELEVATIONS (OF, HKB, RT, GR, ETC.)* 4146' KB 19. ELEV. CASINGHEAD 4175' GR

20. TOTAL DEPTH, MD & TVD 3729' 21. PLUG, BACK T.D., MD & TVD 3668' 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY ALL 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3407' TOP - 3623' BOTTOM

25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-LDL W/GR & DLL - MICRO-SFL

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" J-55	24#	323'	12-1/4"	225 sx clc 2% CC	None
5-1/2" J-55	17#	3729'	7-7/8"	400 sx lite + 8# slt + 1/4 Flo Seal tailed w/375 sx C1 C + 6# sx slt + 0.3% CHR3	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE DEPTH SET (MD) PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

3602'-06'=4' w/5 holes
3610'-23'=13' w/14 holes
3440'-3580'(overall) = 49' w/55 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3626'	3500 gal 20% NE/FE acid + 30 balls
3593'	7000 gal 20% NE/FE acid + 70 balls

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
7-25-91		Pumping					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
7-25-91	24	32/64"	→	15	TSTM	5	NIL	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
20 PSI	20 PSI	→	15	TSTM	5	21		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel

35. LIST OF ATTACHMENTS
CNL-LDL W/GR & DLL-MICRO-SFL Logs (2), Deviation surveys (5)

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

SIGNED Jawad J. King TITLE Production Records

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

TEST WITNESSED AND ACCEPTED FOR RECORD
PETER W. CHESTER
AUG 2 1991
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

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, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Yates	1595'	1690'	Sand-Salt-Anhy			
7-Rivers	1690'	2290'	Sand-Shale-Anhy			
Queen	2290'	2740'	Sand-Shale			
San Andres	2740'	3729'	Dolomite-shale			

RECEIVED
AUG 1 9 19 AM '91
BUREAU OF LAND MGT
ROSWELL RESOURCE
AREA

1001

30005-21099

RECEIVED

KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT



DRILLING CO., INC. *AUG 1 9 18 AM '91* OIL WELL DRILLING CONTRACTORS

BUREAU P. O. Box 1498 ROSWELL, NEW MEXICO 88202-1498
ROSWELL FIELD OFFICE 505/623-5070 505/746-2719
AREA ROSWELL, NM ARTESIA, NM

June 19, 1991

Manzano Oil Corporation
P.O. Box 2107
Roswell, N.M. 88202

REF: Cato Federal #1

1980/N + 660/E Unit H

Gentlemen:

The following is a Deviation Survey on the above referenced well located in Chave County, New Mexico.

323' - 1/2°	2738' - 3/4°
804' - 1/4°	3220' - 3/4°
1296' - 1/2°	3671' - 3/4°
1753' - 1/2°	3729' - 3/4°
2248' - 1/2°	

Sincerely,

Arnold Newkirk
Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 19th day of June 1991 by Arnold Newkirk.

MY COMMISSION EXPIRES
October 07, 1992

Linda Rogers
NOTARY PUBLIC