

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-16835																															
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																															
2. NAME OF OPERATOR Manzano Oil Corporation		7. UNIT AGREEMENT NAME																															
3. ADDRESS OF OPERATOR P.O. Box 2107, Roswell, NM 88202-2107		8. FARM OR LEASE NAME Neuhaus "14" Federal																															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660'FNL & 1650'FEL At top prod. interval reported below same At total depth same		9. WELL NO. 2																															
14. PERMIT NO. 30-025-31970		DATE ISSUED 5/7/93																															
15. DATE SPUDDED 6/3/93		16. DATE T.D. REACHED 7/5/93																															
17. DATE COMPL. (Ready to prod.) 7/14/93		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3662' GL																															
19. ELEV. CASINGHEAD 3675'		20. TOTAL DEPTH, MD & TVD 11,606'																															
21. PLUG. BACK T.D., MD & TVD 11,574'		22. IF MULTIPLE COMPL., HOW MANY*																															
23. INTERVALS DRILLED BY →		ROTARY TOOLS X																															
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 11362-444' Wolfcamp		25. WAS DIRECTIONAL SURVEY MADE No																															
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, GR, CCL, Z-Density CNL, DLL, MLL, GR		27. WAS WELL CORED No																															
28. CASING RECORD (Report all strings set in well)																																	
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>13-3/8"</td><td>54.5#</td><td>400' KB</td><td>17-1/2"</td><td>300 sx Cl C w/2% CaCl</td><td>None</td></tr><tr><td>8-5/8"</td><td>32 & 24#</td><td>3735' KB</td><td>11"</td><td>1100 sx Lite w/14#Cello</td><td>None</td></tr><tr><td>5-1/2"</td><td>17#</td><td>11606' KB</td><td>7-7/8"</td><td>Seal + 1%CaCl & 300 Cl C</td><td>None</td></tr><tr><td></td><td></td><td></td><td></td><td>500 gal WMW-1, 500 gal</td><td>None</td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	13-3/8"	54.5#	400' KB	17-1/2"	300 sx Cl C w/2% CaCl	None	8-5/8"	32 & 24#	3735' KB	11"	1100 sx Lite w/14#Cello	None	5-1/2"	17#	11606' KB	7-7/8"	Seal + 1%CaCl & 300 Cl C	None					500 gal WMW-1, 500 gal	None
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																												
13-3/8"	54.5#	400' KB	17-1/2"	300 sx Cl C w/2% CaCl	None																												
8-5/8"	32 & 24#	3735' KB	11"	1100 sx Lite w/14#Cello	None																												
5-1/2"	17#	11606' KB	7-7/8"	Seal + 1%CaCl & 300 Cl C	None																												
				500 gal WMW-1, 500 gal	None																												
29. LINER RECORD																																	
<table border="1"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT*</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>				SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																									
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																													
30. TUBING RECORD																																	
<table border="1"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td>2-7/8"</td><td>11298'</td><td>11298'</td></tr></tbody></table>				SIZE	DEPTH SET (MD)	PACKER SET (MD)	2-7/8"	11298'	11298'																								
SIZE	DEPTH SET (MD)	PACKER SET (MD)																															
2-7/8"	11298'	11298'																															
31. PERFORATION RECORD (Interval, size and number)																																	
11362-366 & 11380-386' @ 4 spf, 11390-406, 11416-420 & 11424-444' @ 2 spf																																	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																																	
<table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>11362-11444'</td><td>Acidized w/12000 gal 15% gelled acid + 221 ball sealers + add</td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	11362-11444'	Acidized w/12000 gal 15% gelled acid + 221 ball sealers + add																										
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																																
11362-11444'	Acidized w/12000 gal 15% gelled acid + 221 ball sealers + add																																
33.* PRODUCTION																																	
<table border="1"><thead><tr><th>DATE FIRST PRODUCTION</th><th>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</th><th>WELL STATUS (Producing or shut-in)</th></tr></thead><tbody><tr><td>7/14/93</td><td>Flowing</td><td>Producing</td></tr></tbody></table>				DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)	7/14/93	Flowing	Producing																								
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)																															
7/14/93	Flowing	Producing																															
<table border="1"><thead><tr><th>DATE OF TEST</th><th>HOURS TESTED</th><th>CHOKE SIZE</th><th>PROD'N. FOR TEST PERIOD</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>GAS-OIL RATIO</th></tr></thead><tbody><tr><td>7/14/93</td><td>24</td><td>24/64"</td><td>→</td><td></td><td>6000</td><td></td><td></td></tr></tbody></table>				DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	7/14/93	24	24/64"	→		6000																
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO																										
7/14/93	24	24/64"	→		6000																												
<table border="1"><thead><tr><th>FLOW. TUBING PRESS.</th><th>CASING PRESSURE</th><th>CALCULATED 24-HOUR RATE</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>OIL GRAVITY-API (CORR.)</th></tr></thead><tbody><tr><td>400 psi</td><td>Zero</td><td>→</td><td></td><td>6000</td><td></td><td></td></tr></tbody></table>				FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	400 psi	Zero	→		6000																		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)																											
400 psi	Zero	→		6000																													
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold																																	
35. LIST OF ATTACHMENTS CBL, GR, CCL, Density, CNL, MLL, DLL (PLEASE HOLD CONFIDENTIAL FOR SIX MONTHS)																																	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																	
SIGNED <u>Alison Roney</u>		DATE <u>July 17, 1993</u>																															

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