

Form 3100-4
(July 1992)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

OPERATOR'S COPY

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL ☐ GAS ☐ WELL ☒ WELL ☐ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-052																									
b. TYPE OF COMPLETION NEW ☐ WORK ☐ DEEP- ☐ PLUG ☐ DIFF ☐ WELL ☒ OVER ☐ EN ☐ BACK ☐ RESVR ☐ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A																									
2. NAME OF OPERATOR Mallon Oil Company		7. UNIT AGREEMENT NAME N/A																									
3. ADDRESS AND TELEPHONE NO. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596		8. FARM OR LEASE NAME, WELL NO. Mallon 35 Federal No. 1																									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 660' FNL and 660' FWL (NW NW) Unit D		9. API WELL NO. 30-025-32983																									
At top prod. interval reported below 660' FNL and 660' FWL (NW NW) Unit D		10. FIELD AND POOL, OR WILDCAT NE Lea Delaware																									
At total depth 660' FNL and 660' FWL (NW NW) Unit D		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 35, T19S-R34E																									
15. DATE SPUNDED 12/08/96	16. DATE TO REACHED 01/06/97	17. DATE COMP (Ready to Prod.) 02/15/97	12. COUNTY OR PARISH Lea County																								
20. TOTAL DEPTH, MD & TVD 8330'	21. PLUGBACK TO, MD & TVD 6596'	22. IF MULTIPLE COMP., HOW MANY N/A	13. STATE New Mexico																								
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 5904'-5922', 6103'-6117', 6127'-6135'		18. ELEVATION (DF, RKB, RT, GR, ETC.) 3715' GR	19. ELEV. CASINGHEAD 3715'																								
25. TYPE ELECTRIC AND OTHER LOGS RUN DL/CF/GR, CN/LD/GR		23. INTERVALS DRILLED BY Rotary	26. WAS DIRECTIONAL SURVEY MADE Yes																								
27. WAS WELL CORED N/A		28. CASING RECORD (Report all strings set in well)																									
<table border="1"> <thead> <tr> <th>CASING SIZE/GRADE</th> <th>WEIGHT LB/FT</th> <th>DEPTH SET (MD)</th> <th>HOLE SIZE</th> <th>TOP OF CEMENT, CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> </thead> <tbody> <tr> <td>9-5/8"</td> <td>36#</td> <td>1486'</td> <td>14-3/4"</td> <td>1100 sks cement</td> <td>N/A</td> </tr> <tr> <td>5-1/2"</td> <td>15.5#17#</td> <td>6596'</td> <td>8-3/4"</td> <td>Circ 102 sks to surface</td> <td>N/A</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1700 sks cement</td> <td>N/A</td> </tr> </tbody> </table>				CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED	9-5/8"	36#	1486'	14-3/4"	1100 sks cement	N/A	5-1/2"	15.5#17#	6596'	8-3/4"	Circ 102 sks to surface	N/A					1700 sks cement	N/A
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29. LINER RECORD																											
SIZE N/A	TOP (MD) N/A	BOTTOM (MD) N/A	SACKS CEMENT * N/A																								
30. TUBING RECORD																											
SIZE 2-7/8"	DEPTH SET (MD) 5887'	PACKER SET (MD) N/A																									
31. PERFORATION RECORD (Interval, size, and number)																											
5904'-5922' 4 JSPF 72 holes 6103'-6117' 4 JSPF 56 holes 6127'-6135' 4 JSPF 32 holes																											
32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.																											
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED																									
6103'-6135'		4800 gls 15% HCL with additives and 529 SCF N2, 16,000 gls 70 quality N2 acid																									
5904'-5922'		1500 gls NEFE 15% acid - 12,650 gls gel pad, 57,720 lbs 20/40 Ottawa sand, 17,280 lbs RC 20/40 Ottawa sand																									
33. PRODUCTION																											
DATE FIRST PRODUCTION 02/15/97		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Pumping 2-1/2" x 20" x 20" pump																									
DATE OF TEST 02/19/97		WELL STATUS (Producing or Shut In) Producing																									
HOURS TESTED 24	CHOKE SIZE N/A	PROD'N FOR TEST PERIOD OIL - BBL 99	GAS - MCF 47																								
FLOW TBG PRESS N/A	CASING PRESSURE N/A	WATER - BBL 30	GAS-OIL RATIO 0.47																								
CALCULATED 24-HOUR RATE OIL - BBL 99		OIL GRAVITY - API (CORR.) 37.8																									
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to Warren Petroleum																											
35. LIST OF ATTACHMENTS N/A																											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																											
SIGNED <i>James C. Whittle</i>		TITLE Operations Manager																									
		DATE 2-19-97																									

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

Title 18 U.S.C. 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

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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).

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT DEPTH
				Rustler	1794'	
				Salado	1985'	
				Tansil	3347'	
				Yates	3543'	
				7 Rivers	3870'	
				Queen	4562'	
				Penrose	4861'	
				Grayburg	5122'	
				Delaware	5644'	
				San Andres	5960'	
				Base San Andres	6384'	
				Bone Spring	8271'	