

## 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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
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"/>		7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR Mallon Oil Company		8. FARM OR LEASE NAME, WELL NO. Jicarilla 460-16 No. 5	
3. ADDRESS AND TELEPHONE NO. P.O. Box 3256, Carlsbad, NM 88220		9. API WELL NO. 90-039-25864	
4. LOCATION OF WELL At surface 1039' FSL, 1840' FEL (SW SE) Unit O		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon; Ojo Alamo Ext.	
At top prod. interval reported below 1039' FSL, 1840' FEL (SW SE) Unit O		11. SEC., T., R., M., OR BLOCK AND SURVEY Sec. 16, T30N-R03W	
At total depth		12. COUNTY OR PARISH Rio Arriba	
14. PERMIT NO. N/A		13. STATE NM	
15. DATE SPUDDED 6/10/98		18. ELEVATION (DF, RKB, RT, GR, E) 7324'	
16. DATE TD REACHED 6/18/98		19. ELEV. CASING HEAD 7325'	
17. DATE COMP (Ready to Prod.) 7/22/98		20. TOTAL DEPTH, MD & TVD 4115'	
21. PLUGBACK TD, MD & TVD 3950'		22. IF MULTIPLE COMP HOW MANY* →	
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 3314'-3359' Cabresto Canyon; Ojo Alamo Ext.	
25. WAS DIRECTIONAL SURVEY MADE Yes		26. TYPE ELECTRIC AND OTHER LOGS RUN DSN-SDL, DIL-GR	
27. WAS WELL CORED N/A		28. CASING RECORD (Report all strings set in well)	

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	525'	12-1/4"	Cmt 300 sxs Class "B", circ 109	
				sxs of cmt	
5-1/2"	15.5	4049'	7-7/8"	Cmt 600 sxs cmt, 105 sxs to surface	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					1.9	3223'	3222'

31. PERFORATION RECORD (Interval, size, and number) 3314'-3359' 180 holes 4 jspf Cabresto Canyon; Ojo Alamo Ext.		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL (MD) 3314'-3359' AMOUNT AND KIND OF MATERIAL USED Acidize 3,000 gal 7-1/2% HCl frac 56,000 lbs 12/20 sand	
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33. * PRODUCTION DATE FIRST PRODUCTION 7/22/98 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STAT (Producing or Shut In)		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY J Winkler					
DATE OF TEST 7/8/98	HOURS TESTED 24 hrs	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 485	WATER - BBL 55	GAS-OIL RATIO N/A
FLOW TBG PRESS 140	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 485	WATER - BBL 55	OIL GRAVITY - API (CORR.) N/A	

35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED Christy Serrano	Production Secretary	DATE 8-6-98	

\*(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.
38.	NAME	TOP		
		MEAS. DEPTH	TRUE VERT. DEPTH	
	Nacimiento	2077'		
	Ojo Alamo	3308'		
	Kirtland	3546'		
	Fruitland	3746'		
	Pictured Cliffs	3852'		
	Lewis	3935'		