

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

N.M. Oil
1625 W. French Dr.
Hobbs, NM 88240

Division
APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995
5. LEASE DESIGNATION AND SERIAL NO.
NM27570

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____			7. UNIT AGREEMENT NAME		
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Re-Complete</u>			8. FARM OR LEASE NAME, WELL NO. Diamante Federal 21 #1		
2. NAME OF OPERATOR Matador Operating Company			9. API WELL NO. 30-025-34445		
3. ADDRESS AND TELEPHONE NO. 310 W. Wall, Ste. 906 Midland, TX 79701 915-687-5955			10. FIELD AND POOL, OR WILDCAT Gem; Wolfcamp, North		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FSL & 1650 FWL At top prod. interval reported below			11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 21, T19S, R33E		
At total depth			14. PERMIT NO.		12. COUNTY OR PARISH Lea
15. DATE SPUDDED 07/13/98		16. DATE T.D. REACHED 09/10/98	17. DATE COMPL. (Ready to prod.) 04/12/02		13. STATE NM
18. ELEVATIONS (DF, RKB, RT, GE, ETC.)* 3615' GL		19. ELEV. CASINGHEAD 3615'			
20. TOTAL DEPTH, MD & TVD 13758		21. PLUG, BACK T.D., MD & TVD 13719		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 11390-11410 Gem; Wolfcamp, North		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CL/CBL		27. WAS WELL CORED No			

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
13 3/8	48#	475	17 1/2	120 sx Perm Basin Filler	
8 5/8	32#	4955.88	11	1500 sx Inter C, 250 sx Perm Plus	
5 1/2	20# & 17#	13750	7 7/8	455 sx Spr Mod H, 767 sx Interfil H &	
				100 sx Permium	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2 7/8	11213	11193

31. PERFORATION RECORD (Interval, size and number) 11390-11410, 6 SPF 120 holes Set Howco BWD Paker @ 13000 w/ blanking plug in RN Nipple 13238-13259, 6 SPF 126 holes; 13570-13580, 6 SPF 107 holes; 13349-58, 13365-78, 13404-14, 13420-26, 13510-20: 6 SPF 291 holes; 13183-89, 4 SPF 25 holes; 13302-12, 4 SPF 40 holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. * PRODUCTION							
DATE FIRST PRODUCTION 04/12/02		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing					
DATE OF TEST 04/14/02	HOURS TESTED 24	CHOKE SIZE 10/64	PROD'N FOR TEST PERIOD →	OIL---BBL. 521	GAS---MCF. 343	WATER---BBL. 0	GAS-OIL RATIO 658
FLOW. TUBING PRESS. 2850	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL---BBL.	GAS---MCF.	WATER---BBL.	OIL GRAVITY-API (CORR.) 53.3	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold	TEST WITNESSED BY Doug Little
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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 Russ Mathis TITLE Production Manager DATE 04/25/02

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

Title 18 U.S.C. Section 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.

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Wolfcamp	11388	11430	

38. GEOLOGICAL MARKERS

NAME	TOP		NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH		MEAS. DEPTH	TRUE VERT. DEPTH

Upper Perm Yates	3263	+369	Upper Penn Canyon	12018	-8386
Upper Perm Seven Rivers	3448	+148	Upper Penn Strawn	12122	-8490
Lower Perm Delaware	5208	-1576	Lower Penn Atoka FM	12435	-8803
Lower Perm Bone Bone Spring	7918	-4286	Lower Penn Atoka LST	12828	-9196
1st Bone Spring SS Mbr	9083	-5451	Lower Penn Morrow FM	12939	-9307
2nd Bone Spring SS Mbr	9383	-5751	Middle Morrow Clastics	13142	-9510
3rd Bone Spring Carbonate	10328	-6696	Lower Morrow	13550	-9918
3rd Bone Spring SS Mbr	10628	-6996			
Lower Perm Wolfcamp Chert	10950	-7318			
Upper Penn Cisco	11813	-8181			