

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. Contract #362			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache			
2. NAME OF OPERATOR W. B. Martin and Associates		7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR 2110 North Sullivan, Farmington NM 87401		8. FARM OR LEASE NAME Apache Flat NW 1/4			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1000' FSL and 970' FWL At top prod. interval reported below At total depth		9. WELL NO. #2 M-3-M			
14. PERMIT NO. U.S. GEOLOGICAL SURVEY FARMINGTON NM 08/82		10. FIELD AND POOL, OR WILDCAT Ballard P. C.			
15. DATE SPUNDED 07/09/82		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE SW 6 T23NR8W 4			
16. DATE T.D. REACHED 07/13/82		12. COUNTY OR PARISH Rio Arriba NM			
17. DATE COMPL. (Ready to prod.) 08/27/82		13. STATE			
18. ELEVATIONS (DF, REB, ET, CB, ETC.)* 6884'		19. ELEV. CASINGHEAD 6884'			
20. TOTAL DEPTH, MD & TVD 2640'		21. PLUG, BACK T.D., MD & TVD 2575			
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS O-T.D.			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2495' - 2516' Pictured Cliffs		25. WAS DIRECTIONAL SURVEY MADE Yes			
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric		27. WAS WELL CORED No			
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
7" OD		17.00		97'	
2 7/8"		6.5		2602'	
HOLE SIZE		CEMENTING RECORD		AMOUNT FILLED	
8 5/8"		106.2 cu ft (90 sacks)		NONE	
5 5/8"		177 cu ft (150 sacks)		NONE	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
1"		2450		N/A	
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
1"		2450		N/A	
31. PERFORATION RECORD (Interval, size and number)					
2495 to 2516' w/2 shot per ft 42 shots					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
2495-2516		500 gals 7 1/2% HCL + 133,900 SCFN2			
		57,000 lbs 10/20 Sand			
		620,000 SCFN2, 430.3 bbl Frac			
		Fluid, 2% KCL, 75% Foam			
33. PRODUCTION					
DATE FIRST PRODUCTION 08/27/82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Shut-In
DATE OF TEST 08/27/82		HOURS TESTED 3		CHOKE SIZE 3/4"	
PROD'N. FOR TEST PERIOD →		OIL—BSL. ---		GAS—MCF. 23.6	
WATER—BSL. ---		GAS—OIL RATIO N/A			
FLOW. TUBING PRESS. 456		CASING PRESSURE 456		CALCULATED 24-HOUR RATE →	
OIL—BSL. ---		GAS—MCF. 190		WATER—BSL. ---	
OIL GRAVITY-API (CORR.)					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be Sold					
TEST WITNESSED BY Mr. Joe Elledge					
35. LIST OF ATTACHMENTS Hole Deviation Affidavit					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>W. B. Martin</u>		TITLE <u>Operator</u>		DATE <u>09/10/82</u>	

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

NMOCC

FARMINGTON, NM
BY P. B. B. B.

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

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			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	2495'	2516'		Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis	1790' 2130' 2335' 2495' 2605'	

W. B. Martin & Associates

• 2110 N. Sullivan
Farmington, New Mexico 87401
(505) 326-1631

Hole Deviation Survey

Operator: William B. Martin and Associates
Well Name: #2 M & M
Well Location: 1000' FWL and 970' FWL
Unit N Section 6 Township 23 N Range 4 W
Rio Arriba County, New Mexico

Gentlemen:

Joe I. Salazar Drilling Co. ran the following deviation surveys during the drilling of the subject well and obtained the following results.

<u>From</u>	<u>To</u>	<u>Deviation</u>
0'	98'	1 1/4°
98'	640'	2 3/4°
640'	1140'	1 1/4°
1140'	1680'	1 1/2°
1680'	2100'	1 1/2°
2100'	2640'	1 1/2°

William B. Martin Sr.
William B. Martin Sr., Operator

Subscribed and Sworn to Me this 13th day of September, 1982.

September 16, 1985
My Commission Expires

Sherrill S. Bradshaw
Notary Public