

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R855.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☒	GAS WELL ☐	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other <u>Before 3/11/84</u>
2. NAME OF OPERATOR W.B. Martin & Associates, Inc.							
3. ADDRESS OF OPERATOR 2110 N. Sullivan, Farmington, NM 87401							
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements) At surface 1870' FSL and 680' FEL At top prod. interval reported below At total depth Same							
14. PERMIT NO.				DATE ISSUED JUN 13 1984			
15. DATE SPUDDED 12/09/83		16. DATE T.D. REACHED 12/23/83		17. DATE COMPL. (Ready to prod.) 01/27/84		18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 7012' K.B.	
19. ELEV. CASING HEAD 7001' GR		20. TOTAL DEPTH, MD & TVD 5822' K.B.		21. PLUG, BACK T.D., MD & TVD 5822' K.B.		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 0-T.D.		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 5774-5784 5712-5822		25. WAS DIRECTIONAL SURVEY MADE Yes 5671 1 1/2		26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, GR, Caliper, Sonic-Compensated Neutron to 4950' KB GR, from 5822	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9 5/8		36		257' KB		12 1/2	
7"		23		4950' KB		8 3/4	
CEMENTING RECORD		AMOUNT PULLED					
175 x 25 (200' of 3") Class B		475 x 25 (1924') Class B					
2nd stage 2524' 65/35 202 65		704' 65/35 stress					
29. LINER RECORD		30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		RACKS CEMENT*	
4 1/2		4784 KB		5712' KB		None	
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8		5755' KB		None			
31. PERFORATION RECORD (Interval, size and number) Open hole Interval 5774-5784 KB 5712-5822 4950-		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) None AMOUNT AND KIND OF MATERIAL USED None ILLEGIBLE</					

HOLE DIFFICULTIES

1. Amount and size of cuttings increasing at 1925'
2. Abundant shale cavings after trip at 3000';
tight hole at 1596'
3. Lost air/nitrogen returns at 5070'
4. Poor to very poor sample quality from 4160
to TD
5. Lost air/nitrogen returns at 5774'

HOLE DEVIATION

3/4°	@	900'
1/2°	@	1790'
3/4°	@	2290'
1°	@	2765'
3/4°	@	3470'
1°	@	3970'
3/4°	@	4938'
1°	@	5106'
1-1/2°	@	5262'
1-1/2°	@	5674'

ILLEGIBLE

FORMATION DATA

	DRILLING DEPTH	ELEVATION
FORMATION TOPS:		
Base of Tertiary rocks and top of Cretaceous	2303'	+4710'
Pictured Cliffs	2657'	+4356'
Lewis Shale	2734'	+4279'
Huerfanito Bentonite	2969'	+4044'
Cliff House	4133'	+2880'
Menefee	4203'	+2810'
Massive Point Lookout	4694'	+2319'
Lower Point Lookout	5060'	+1953'
Mancos Shale	4892'	+2121'
Gallup	5768'	+1245'
TOTAL DEPTH	5824'	

The lithology of all these formations consists of sand and shale with the exception of the Menefee which also includes isolated coal stringers.