

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

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 ☐								
2. NAME OF OPERATOR JEROME P. McHUGH						APR 13 1987									
3. ADDRESS OF OPERATOR P O Box 809, Farmington, NM 87499						BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1420' FSL - 660' FEL At top prod. interval reported below At total depth						APR 17 1987 OIL CO. DIV.									
14. PERMIT NO.						DATE ISSUED 8/5/86									
15. DATE SPUDDED 11/9/86		16. DATE T.D. REACHED 11/22/86		17. DATE COMPL. (Ready to prod.) 4/10/87		18. ELEVATIONS (DP, RKB, RT, OR, ETC.)* 7096' GL; 7108' KB		19. ELEV. CASINGHEAD 7096' GL							
20. TOTAL DEPTH, MD & TVD 8096'		21. PLUG, BACK T.D., MD & TVD 8028'		22. IF MULTIPLE COMPL., HOW MANY* NA		23. INTERVALS DRILLED BY → TD		ROTARY TOOLS CABLE TOOLS							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6774-7021', Mancos								25. WAS DIRECTIONAL SURVEY MADE No							
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, Spectral Density Dual Spaced Neutron, Gamma-Ray Correlation								27. WAS WELL CORED No							
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
9-5/8"		36		252'		12-1/4"		153 cf class B w/ 2% CaCl		---					
5-1/2"		17		8090' KB		7-7/8"		2452 cf in 3 stages (see reverse)		---					
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
None										2-7/8"		7040'		None	
31. PERFORATION RECORD (Interval, size and number) 6774, 79, 83, 88, 99; 6801, 03, 11, 28, 30, 33, 43, 45, 56, 58, 70, 72, 81; 6933, 36, 43, 45, 51, 61, 67, 69, 71, 82, 89, 99; 7001, 03, 17, 19, 21. Total of 35 holes										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
										6774-7021'		750 gal. 7 1/2% HCL			
												82,000 gal. 30# cross link gel			
												90,000# 20/40 sand			
33.* PRODUCTION															
DATE FIRST PRODUCTION 2/3/87*		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing						WELL STATUS (Producing or shut-in) SI							
DATE OF TEST 4/10/87		HOURS TESTED 3		CHOKE SIZE ---		PROD'N. FOR TEST PERIOD →		OIL—BBL. 6		GAS—MCF. 19		WATER—BBL. 14**		GAS-OIL RATIO 3167	
FLOW. TUBING PRESS. 100 psi		CASING PRESSURE 525 psi		CALCULATED 24-HOUR RATE →		OIL—BBL. 48		GAS—MCF. 152		WATER—BBL. 112**		OIL GRAVITY-API (CORR.) 39.6°			
34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.) Vented during test; to be sold.										35. LIST OF ATTACHMENTS *1st new oil swabbed to tank during completion operations. **Frac water					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED James S. Hazen		TITLE Field Supt.		DATE 4/10/87											

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

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	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Cemented 1st stage as follows: 10 bbls. mud flush followed by 370 sx 50/50 poz with 2% gel, 6-1/4 #/sk Kolite & 1/4 #/sk celloflake (514 cu.ft.) Bumped plug at 1 pm, 11/23. Held and circulated 3 hrs. with full returns. 2nd stage started at 4:00 pm.: 10 bbls. mud flush followed by 200 sx 65/35 poz with 12% gel & 1/4 #/sk celloflake & 225 sx 50/50 poz with 2% gel, 6-1/4 #/sk Kolite & 1/4 #/sk celloflake (836 cu.ft.) Bumped plug at 5:00 pm. Held OK. Circulated with full returns. Cemented 3rd stage as follows: 10 bbls mud flush followed by 385 sx 65/35 poz with 12% gel & 1/4 #/sk celloflake & 75 sx 50/50 poz with 2% gel, 6-1/4 #/sk Kolite & 1/4 #/sk celloflake (1102 cu.ft.) Bumped plug at 10:15 pm & held. Full returns on last stage until 50 bbls. into displacement. Slowed rate to 3 bbls. per min. & regained full returns. Cement circulated to surface. DV tools at 3438' & 5828'				Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Cliff House Menefee Point Lookout Mancos Niobrara "A" "B" "C" Carlile Greenhorn Graneros Dakota	3100' 3244 3315 3392 3430 5082 5200 5540 5798 6770 6825 6928 7415 7628 7700 7805	