

**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 83	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Jerome P. McHugh				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 234, Farmington, NM 87401				8. FARM OR LEASE NAME Jer	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 840' FSL - 1190' FEL At top prod. interval reported below At total depth				9. WELL NO. #1	
14. PERMIT NO. _____ DATE ISSUED _____				12. COUNTY OR PARISH Rio Arriba	
				13. STATE NM	
15. DATE SPUNDED 10-11-77	16. DATE T.D. REACHED 10-18-77	17. DATE COMPL. (Ready to prod.) 10-28-77	18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 7220' GR	19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 4160'	21. PLUG, BACK T.D., MD & TVD 4115' RKB	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY → 0-4160'	24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3902-4103' - Pictured Cliffs	
26. TYPE ELECTRIC AND OTHER LOGS RUN GO Wireline Induction Electrical & Correlation Log Compensated Density				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
8-5/8"	24#	200' RKB	12-1/4	125/sx	-----
4-1/2"	10.5#	4157' RKB	7-7/8	464 cu ft	-----
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
1-1/4	3976' RKB				
31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
1 Jet/2 ft 4095-4103' (4 holes) 4061-4069' (4 holes) 3902-3922' (10 holes) 3956-3976' (10 holes) 3990-4002' (6 holes)			DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED. See completion report for detailed information		
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			
DATE OF TEST 12-19-77	HOURS TESTED 2 hrs	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 365 AOF	GAS—MCF. 365 AOF
FLOW. TUBING PRESS. 900 SI	CASING PRESSURE 990 SI	CALCULATED 24-HOUR RATE →	OIL—BBL. 365 AOF	GAS—MCF. 365 AOF	WATER—BBL. 365 AOF
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
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 <i>Thomas A. Dugan</i> Thomas A. Dugan		TITLE Petroleum Engineer		U. S. GEOLOGICAL SURVEY DURANGO, COLO.	

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				<u>Log Tops</u>		
				Ojo Alamo	3504'	
				Kirtland	3652'	
				Fruitland	3789'	
				Pictured Cliffs	3900'	