

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions 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. SF 078049 A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Jerome P. McHugh		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P O Box 203, Farmington, NM 87401		8. FARM OR LEASE NAME Hardie	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1100' FSL - 800' FWL At top prod. interval reported below At total depth		9. WELL NO. #2E	
14. PERMIT NO.		DATE ISSUED 3-10-81	
15. DATE SPUDDED 3-16-81		16. DATE T.D. REACHED 3-23-81	
17. DATE COMPL. (Ready to prod.) 5-16-81		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6340' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 7490'	
21. PLUG, BACK T.D., MD & TVD 7470'		22. IF MULTIPLE COMPL., HOW MANY* single - gas	
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7166 - 7418' Dakota	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma-Induction, Compensated Density, GR-CCL	
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	
246' RKB		12-1/4"	
135 sx class B, 2% CaCl		---	
7"		23	
3103' RKB		8-3/4"	
564 cu.ft.		---	
4-1/2"		10.5	
7496' RKB		6-1/4"	
545.5 cu.ft.		---	
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)	
None		1-1/4"	
7310' RKB			
31. PERFORATION RECORD (Interval, size and number) 7166, 68, 70, 72, 81, 83; 7260, 62, 64, 66, 68, 70, 72; 7326, 28, 30, 32, 34, 68, 70, 72; 7414, 16, 18 24 holes, 3-1/8"		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See sundry notice of 5-16-81 for details.	
33.* PRODUCTION		WELL STATUS (Producing or shut-in) SI	
DATE FIRST PRODUCTION ---		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing	
DATE OF TEST 6-15-81		HOURS TESTED 3	
CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD ---	
OIL—BBL. ---		GAS—MCF. 1649	
WATER—BBL. ---		GAS-OIL RATIO ---	
FLOW. TUBING PRESS. 125 (choke)		CASING PRESSURE 920	
CALCULATED 24-HOUR RATE ---		OIL—BBL. ---	
GAS—MCF. 1946 CAOF		WATER—BBL. ---	
OIL GRAVITY-API (CORR.) ---		TEST WITNESSED BY ---	
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 Jim L. Jacobs	
TITLE Agent		DATE 7-9-81	

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

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FARMINGTON
BY Sam Elliott

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:				38. GEOLOGIC MARKERS	
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.	NAME	MEAS. DEPTH TRUE VERT. DEPTH
				Pictured Cliffs	2867'
				Lewis Shale	3049'
				Chacra	3495'
				Cliff House	4500'
				Menefee	4628'
				Point Lookout	5072'
				Mancos	5328'
				Gallup	6042'
				Greenhorn	7050'
				Graneros	7112'
				Dakota	7161'