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Form C-105  
Revised 10-1-78STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil &amp; Gas Lease No.

## 1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

## b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

## 2. Name of Operator

JEROME P. McHUGH

## 3. Address of Operator

P O Box 809, Farmington, NM 87499

## 4. Location of Well

UNIT LETTER M LOCATED 790 FEET FROM THE South LINE AND 990 FEET FROMTHE West LINE OF SEC. 9 TWP. 25N RGE. 2W NMPM

## 12. County

Rio Arriba

15. Date Spudded 9/11/86 16. Date T.D. Reached 9/28/86 17. Date Compl. (Ready to Prod.) 2/11/87 18. Elevations (DF, RKB, RT, GR, etc.) 7315' GL 19. Elev. Casinghead 7315' GL20. Total Depth 8270' 21. Plug Back T.D. 8211' 22. If Multiple Compl., How Many NA 23. Intervals Drilled By Rotary Tools TD Cable Tools

## 24. Producing Interval(s), of this completion - Top, Bottom, Name

7002-7129', Mancos

## 25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run Induction Guard, Spectral Density Dual Spaced Neutron, Radioactivity, Welcal 27. Was Well Cored No

## 28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	256' KB	12-1/4"	177 cf class B w/ 2% CaCl <sub>2</sub>	---
5-1/2"	17	8261' KB	7-7/8"	2645 cf in 3 stages - see reverse.	---

## 29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					2-7/8"	7174' KB	None

## 31. Perforation Record (Interval, size and number)

7002, 06, 12, 18, 22, 26, 34, 36, 52, 54, 56, 70, 83, 87, 97, 7113, 29. Total of 17 holes.

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7002-7129'	700 gal. 7 1/2% HCL
	72,000 gal. 30# cross link gel

## 33. PRODUCTION

Date First Production 11/19/86 *		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) SI	
Date of Test 2/12/87	Hours Tested 22	Choke Size 1"	Prod'n. For Test Period →	Oil - Bbl. 110	Gas - MCF 261	Water - Bbl. 4	Gas-Oil Ratio 2373
Flow Tubing Press. 150 psi	Casing Pressure 150 psi	Calculated 24- Hour Rate →	Oil - Bbl. 120	Gas - MCF 285	Water - Bbl. 4	Oil Gravity - API (Corr.) 40°	

## 34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented during test; to be sold.

## Test Witnessed By

M. Brasuel

## 35. List of Attachments

\*1st new oil to tanks during swabbing operations.

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

James S. Hazen TITLE Field Supt.DATE 2/20/87

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

T. Anhy \_\_\_\_\_  
T. Salt \_\_\_\_\_  
B. Salt \_\_\_\_\_  
T. Yates \_\_\_\_\_  
T. 7 Rivers \_\_\_\_\_  
T. Queen \_\_\_\_\_  
T. Grayburg \_\_\_\_\_  
T. San Andres \_\_\_\_\_  
T. Glorieta \_\_\_\_\_  
T. Paddock \_\_\_\_\_  
T. Blinberry \_\_\_\_\_  
T. Tubb \_\_\_\_\_  
T. Drinkard \_\_\_\_\_  
T. Abo \_\_\_\_\_  
T. Wolfcamp \_\_\_\_\_  
T. Penn. \_\_\_\_\_  
T. Cisco (Bough C) \_\_\_\_\_

T. Canyon \_\_\_\_\_  
T. Strawn \_\_\_\_\_  
T. Atoka \_\_\_\_\_  
T. Miss \_\_\_\_\_  
T. Devonian \_\_\_\_\_  
T. Silurian \_\_\_\_\_  
T. Montoya \_\_\_\_\_  
T. Simpson \_\_\_\_\_  
T. McKee \_\_\_\_\_  
T. Ellenburger \_\_\_\_\_  
T. Gr. Wash \_\_\_\_\_  
T. Granite \_\_\_\_\_  
T. Delaware Sand \_\_\_\_\_  
T. Bone Springs \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_

### Northwestern New Mexico

T. Ojo Alamo \_\_\_\_\_ 3314  
T. Kirtland-Fruitland \_\_\_\_\_ 3491  
T. Pictured Cliffs \_\_\_\_\_ 3657  
T. Cliff House \_\_\_\_\_ 5320  
T. Menefee \_\_\_\_\_ 5420  
T. Point Lookout \_\_\_\_\_ 5722  
T. Mancos \_\_\_\_\_ 5952  
T. Gallup \_\_\_\_\_ 6585  
Base Greenhorn \_\_\_\_\_ \*\*7880  
T. Dakota \_\_\_\_\_ 7985  
T. Morrison \_\_\_\_\_  
T. Todilto \_\_\_\_\_  
T. Entrada \_\_\_\_\_  
T. Wingate \_\_\_\_\_  
T. Chinle \_\_\_\_\_  
T. Permian \_\_\_\_\_  
T. Penn. "A" \_\_\_\_\_

T. Penn. "B" \_\_\_\_\_  
T. Penn. "C" \_\_\_\_\_  
T. Penn. "D" \_\_\_\_\_  
T. Leadville \_\_\_\_\_  
T. Madison \_\_\_\_\_  
T. Elbert \_\_\_\_\_  
T. McCracken \_\_\_\_\_  
T. Ignacio Qtzite \_\_\_\_\_  
T. Granite \_\_\_\_\_  
T. \*Lewis \_\_\_\_\_ 3728  
T. \*\*Niobrara "A" \_\_\_\_\_ 6989  
T. "B" \_\_\_\_\_ 7051  
T. "C" \_\_\_\_\_ 7150  
T. Sanoste \_\_\_\_\_ 7508  
T. Carlile \_\_\_\_\_ 7618  
T. Top of Greenhorn \_\_\_\_\_ 7818  
T. \_\_\_\_\_

## OIL OR GAS SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Item #28 - Cementing of 5-1/2" Casing:							
Ran	25 jts. of 5-1/2", L-80, 17#, LT&C csg.	(896.17')					
	157 jts. of 5-1/2", K-55, 17#, LT&C csg.	(6346.94')					
	23 jts. of 5-1/2", L-80, 17#, LT&C csg.	(849.62')					
Landed at 8261' KB with Dowell DV tools at 6047' & 3749' KB.							
Worked csg. thru bridge at 2995' & washed 40' of fill to botm.							
Cemented with Dowell as follows:							
1st stage	10 bbl. mud flush						
	440 sx 50/50 poz w/ 2% gel, 6-1/4#/sk Kolite & 1/4 #/sk celo flake						
	Plug down at 8:45 am. Float checked good.	(612 cu.ft.)					
	Circulated with rig pump 3 hrs.						
2nd stage	10 bbl. mud flush						
	230 sx 65/35 poz w/ 12% gel & 1/4 #/sk celo flake						
	200 sx 50/50 poz w/ 2% gel, 6-1/4 #/sk Kolite & 1/4 #/sk celo flake						
	Plug down at 1:00 pm. Float checked good.	(881 cu.ft.)					
	Circulated with rig pump 2 hrs.						
3rd stage	10 bbl. mud flush						
	400 sx 65/35 poz w/ 12% gel & 1/4 #/sk celo flake						
	75 sx 50/50 poz w/ 2% gel, 6-1/4 #/sk Kolite & 1/4 #/sk celo flake						
	Plug down at 3:50 pm. Float checked good.	(1152 cu.ft.)					
Cemented with full returns throughout job with 2 bbls. of cement circulated to surface.							