

3 OCC
1 McHugh
1 Cont.

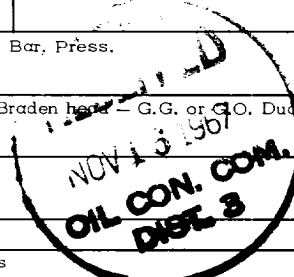
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NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Basin				Formation Dakota				County San Juan			
Initial X		Annual		Special		Date of Test 11/14/67					
Company Jerome P. McHugh				Lease Price				Well No. 1			
Unit M	Sec. 12	Twp. 28N	Range 8W		Purchaser						
Casing 4 1/2"	Wt. 10.5&11.6	I.D.	Set at 7444		Perf. 7189		To 7407				
Tubing 1 1/4"	Wt. 2.4	I.D.	Set at 7312		Perf. Open Ended		To				
Gas Pay: From 7189		To 7407		L 0.640		G		GL			
Producing Through:		Casing		Tubing X		Type Well — Single — Braden hole — G.G. or G.O. Dual Single-Gas					
Date of Completion 11/6/67		Packer				Reservoir Temp.					
OBSERVED DATA											
Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps			
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
SI						2210		2212			
1.											
2.											
3.	2"	3/4"	164		54			1332		3 hrs.	
4.											
5.											
FLOW CALCULATIONS											
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _T	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15.025 psia				
1.											
2.											
3.	12.3650		176	1.0058	0.9682	1.018	2157				
4.											
5.											
PRESSURE CALCULATIONS											
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____						
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____						
F _c _____ (1-e ^{-S}) _____					P _c 2224 P _c ² 4,946,176						
No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	P _w P _c		
1.											
2.											
3.	1344					1,806,336	3,139,840		1.5752		
4.											
5.											



ABSOLUTE POTENTIAL: **3033** MCFPD; n **0.75** **1.406**

COMPANY **Jerome P. McHugh** WITNESSED _____

ADDRESS **930 Petroleum Club Bldg., Denver, Colo.** COMPANY _____

AGENT AND TITLE **Original signed by T. A. Dugan Engineer**