

3 OCC 1 Cont.
1 McHugh 1 File
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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		Date of Test 9/18/67	
Company Jerome P. McHugh		Lease Roelofs		Well No. 1	
Unit N	Sec. 22	Twp. 29N	Range 8W	Purchaser	
Casing 4 1/2	Wt. 11.6&10.5	I.D.	Set at 7648	Perf. 7272	To 7608
Tubing 1 1/4	Wt. 2.4	I.D.	Set at 7570	Perf. Open End	To
Gas Pay:	From 7272	To 7608	L 0.60	G 0.60	GL Bar. Press.
Producing Through:		Casing X	Tubing	Type Well — Single — Braden head — G.G. or G.O. Dual Single - Gas	
Date of Completion 9/9/67		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.	
1.						2229		2229		
2.										
3.	2"	3/4"	182		62°			1178		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		194	.9981	1.000	1.016	2433
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 **2241** P_c² **5,022,081**

No.	P _w 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	$\frac{P_w}{P_c}$
1.									
2.									
3.	1190					1,416,100	3,605,981		1.3927
4.									
5.									

ABSOLUTE POTENTIAL: **3119** MCFPD: n **0.75 - 1.282**

COMPANY **Jerome P. McHugh** WITNESSED _____

ADDRESS **Box 234, Farmington, N. M.** COMPANY _____

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

