

JCC 1 Cont.
2 EPNG 1 File
1 McHugh

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 12/2/67				
Company Jerome P. McHugh			Lease Price			Well No. 2				
Unit M	Sec. 14	Twp. 28N	Range 8W		Purchaser					
Casing 4 1/2	Wt. 10.5&11.6	I.D.	Set at 7427'		Perf. 7196'		To 7344'			
Tubing 1 1/4	Wt. 2.4	I.D.	Set at 7326'		Perf. Open Ended		To			
Gas Pay:	From 7196'	To 7344'	L	G 0.640	GL	Bar. Press.				
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas					
Date of Completion 11/14/67		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.										
2.										
3.	2"	3/4"	102		540	--		826		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.	12.365		114	1.0058	0.9682	1.012	1389			
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 2167 P _c ² 4,695,889					
No.	$\frac{P_w}{P_t}$ 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	$\frac{P_w}{P_c}$	
1.										
2.										
3.	838					702,244	3,993,645		1.1758	
4.										
5.										

ABSOLUTE POTENTIAL: **1567** MCFPD; n **0.75** **1.128**

COMPANY **Jerome P. McHugh** WITNESSED _____

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

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

