

3 OCC
1 McHugh
1 NWP
1 File

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

Form C-122
Revised 12-1-55

Pool Basin Dakota				Formation Dakota				County Rio Arriba			
Initial X		Annual		Special		Date of Test					
Company Jerome P. McHugh				Lease Jicarilla				Well No. 1			
Unit D	Sec. 30	Twp. 26N	Range 4W		Purchaser						
Casing 4 1/2	Wt. 10.5#	I.D.	Set at 7630'		Perf. 7382'		To 7546'				
Tubing 2 3/8"	Wt. 4.7#	I.D.	Set at 7506'		Perf. Open End		To				
Gas Pay: From 7382'		To 7546'		L 7506'		G .65		GL 4879'		Bar. Press.	
Producing Through:		Casing		Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas					
Date of Completion 11/30/67		Packer Baker Model "E" @ 7287'				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.						2466		Packer			
2.	2"	3/4"	230				61°			3 hrs.	
3.											
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.	12.365		242	.9990	.9608	1.0250	2944				
3.											
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 9.402 (1-e ^{-S}) .299						P _c 2478 P _c ² 6,140,484					
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.	242	58,564	27.679	766.152	229.079	287,643	5,852,841		1.0491		
3.											
4.											
5.											

ABSOLUTE POTENTIAL: **3051** MCFPD: n **.75** **1.0365**

COMPANY **Jerome P. McHugh** WITNESSED **Charles Werner**

ADDRESS **930 Petroleum Club Bldg, Denver, Colo.** COMPANY **Northwest Production Co.**

Original signed by **J. M. Dagan**

AGENT AND TITLE **Engineer**

