

3 HROLL
1 H.C. 454
2 174
1 File

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 1		Annual		Special	
Company Jerome P. McHugh		Lease Rosier		Date of Test 5/27/58	
Unit M 10		Sec. 23N 29		Range 8	
Casing 4 1/2"		Wt. 10.5 & 11.6		I.D. 7600'	
Tubing 1 1/4"		Wt. 2.4		I.D. 7555'	
Gas Pay: 7349'		From 7584'		To 7555'	
Producing Through: 4/24/58		Packer 1		Reservoir Temp. 0.640	
Type Well - Single - Braden head - G.G. or G.C. Dual Single gas		Bar. Press. 4635'			

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.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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		403	0.9887	0.9682	1.037	5020
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 **1.01** (1-e^{-S}) **0.296** P_c **2310** P_c^2 **5,336,100**

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.	403	167,281	5.07	25.7	7.509	174,890	5,161,210		1.0339
4.									
5.									

ABSOLUTE POTENTIAL: **5151** MCFPD; n **.75** **1.0261**
 COMPANY **Jerome P. McHugh** WITNESSED _____
 ADDRESS **Box 234, Farmington, N. M.** COMPANY _____
 AGENT AND TITLE **T. A. Dugan** Original signed by **T. A. Dugan** ***Tog. plugged**

