

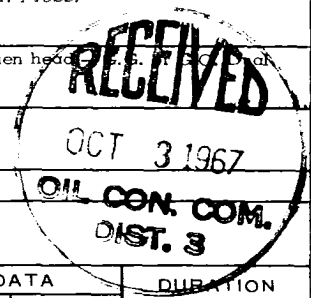
3 OCC
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1 McHugh

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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 9/29/67			
Company Jerome P. McHugh				Lease Hardie			Well No. 1		
Unit C	Sec. 26	Twp. 29N	Range 8W		Purchaser				
Casing 4 1/2"	Wt. 11.6&10.5	I.D.	Set at 7584		Perf. 7266	To 7520			
Tubing 1 1/4"	Wt. 2.4	I.D.	Set at 7506		Perf. Open end	To			
Gas Pay:	From 7266	To 7520	L	G 0.600	GL	Bar. Press.			
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head Single - Gas				
Date of Completion 9/18/67		Packer			Reservoir Temp.				
OBSERVED DATA									
Tested Through:		Prover ☐	Choke ☒		Meter ☐		Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.
1.						2404		2542	
2.									
3.	2"	3/4"	204		620			1687	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 PD @ 15,025 psia		
1.									
2.									
3.	12.3650		216	0.9981	1.000	1.018	2714		
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 2554 P _c ² 6,522,916				
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.	1699						3,636,315		1.7938
4.									
5.									



ABSOLUTE POTENTIAL: 4201 MCFPD; n 0.75 1.548

COMPANY Jerome P. McHugh WITNESSED _____

ADDRESS Box 234, Farmington, New Mexico COMPANY _____

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