3-NMOCC (Aztec) 1-Phillips (Denver) 1-Phillips (Casper) 1-Northwest Pipeline 1-File
1-McHugh

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-22-77	
Company: Jercme P. McHugh		Connection:			
Pool: Blarco Mesaverde		Formation: Mesaverde		Unit:	
Completion Date: 8-4-77	Total Depth: 6200'	Plug Back TD: 6165'	Elevation: 7008' GR	Farm or Lease Name: Chris	
Csg. Size: 4-1/2" / Wt.: 10.5# / d: / Set At: 6198'		Perforations: From 5684' To 6118'		Well No.: 2	
Tbg. Size: 1-1/4" / Wt.: 2.4# / d: / Set At: 6061'		Perforations: From Open End To		Unit: K / Sec.: 10 / Twp.: 27N / Rge.: 3W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Sirgle - Gas		Packer Set At:		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	
L:	H:	Gg: .65	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1760		1755		7 days
1.									
2.									
3.	3/4" Pos Choke				130	64°	1150		3 hrs
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2.							
3.	12.365		142	.9962	.9608	1.011	1699
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1772 P_c^2 3139984

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		1162	1350244	1789740
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7544$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} \cdot^{75} = 1.5244$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} \cdot^{75} = 2590$

Absolute Open Flow 2590 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Charles Hall	Charles Hall	Jim L. Jacobs