3-cc 1-McHugh 1-Mobil 1-Penn 1-File

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 27 1969
OIL CON. COM.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 7-3-69		
Company: Jerome P. McHugh		Connection				
Pool: Undesignated		Formation: Gallup			Unit	
Completion Date: 6-25-69	Total Depth: 8127		Plug Back TD: 8078	Elevation: 6929 Gr.	Farm or Lease Name: Jicarilla A	
Csg. Size: 5½ / Wt.: 14.5 & 17 / d: / Set At: 8126			Perforations: From 7326 To 7342		Well No.: 2	
Tbg. Size: 1¼ / Wt.: 2.4 / d: / Set At: 7342			Perforations: From 7330 To 7392		Unit: L / Sec.: 18 / Twp.: 26N / Rge.: 3W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 7270		County: Rio Arriba	
Producing Thru: Tbg.	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_c		State: New Mexico	

H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
	0.680						

FLOW DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI						1514		1514		
1.										
2.										
3.	2	¾	35		57			347		3 hours
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	9.5417		47	1.0018	0.1393	1.000	378
4							
5							

NO.	P_t	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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1526 P_c^2 2329476

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_t^2$
1				
2				
3		254	64516	2264960
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0297$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0222$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 386$

Absolute Open Flow 386 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	[illegible]	[illegible]	