

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-24-77			
Company Johhey Myers				Connection Southern Union			
Pool Bloomfield-Farmington				Formation Farmington		Unit	
Completion Date 3-15-77		Total Depth 1010		Plug Back TD		Elevation 5460	
Csg. Size 4 1/2		Wt. 11		Set At 1010		Perforations: From 970 To 974	
Tbg. Size 1 1/4		Wt. 2.30		Set At 970		Perforations: From 960 To 970	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run
Taps							

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
1.	4"		1/4						250	
2.									125	24 hrs
3.										
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.	12.687	2.448		1.0	1.2127	1.0047	38
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
					Specific Gravity Separator Gas _____ XXXXXXXXXX	
					Specific Gravity Flowing Fluid _____ XXXXXX	
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
Critical Temperature _____ R _____ R						

NO.	P_c^2	P_w^2	R_w^2	$P_c^2 - R_w^2$	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.3763$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.31193$
	1	262	137			
	2					
	3					
	4					
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 50$	

Absolute Open Flow 50 Mcfd @ 15.025		Angle of Slope @		Slope, n .85	
Remarks:					

Approved By Commission:	Conducted By: J.M.	Calculated By: J.M.	Checked By:
-------------------------	--------------------	---------------------	-------------