

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12/16/86	
Company Robert L. Bayless		Connection none	
Pool Wildcat		Formation Pictured Cliffs	
Completion Date 12/6/86		Total Depth 4060	Plug Back TD 4000
		Elevation 7085 GL	Form or Lease Name Jicarilla
Csg. Size 4-1/2	Wt. 11.6	d 4.000	Set At 4049
Perforations: From 3680 To 3733		Well No. 459 #1	
Tng. Size 1-1/2	Wt. 2.9	d 1.610	Set At 3704
Perforations: From To		Unit Sec. Twp. Rye I 18 30 3	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - single		Packer Set At none	
County Rio Arriba		State New Mexico	
Producing Thru tubing		Reservoir Temp. °F #	Mean Annual Temp. °F
Baro. Press. - P _a 12.0 (est)		Prover	
L	H	G _g .65 (est)	% CO ₂
% N ₂		% H ₂ S	Meter Run
Taps		Duration of Flow	
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
Press. p.s.i.g.		Diff. hw	Temp. °F
Press. p.s.i.g.		Temp. °F	Press. p.s.i.g.
Temp. °F		Press. p.s.i.g.	Temp. °F
SI		10 days	1105
1.		2 inch x .750	182
2.			58°
3.			500
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
Flow Temp. Factor F _t		Gravity Factor F _g	Super Compress. Factor, F _{pv}
Rate of Flow Q, Mcfd			
1	12.3650		194
2.			1.0019
3.			.9608
4.			1.020
5.			2355
NO.	P _t	Temp. °R	T _t
Z		Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		Specific Gravity Separator Gas _____	
Specific Gravity Flowing Fluid _____		X X X X X X X X	
Critical Pressure _____ P.S.I.A.		P.S.I.A.	
Critical Temperature _____ R		R	
P _c 1122 P _c ² 1,258,884		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2630$	
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2195$			
NO.	P _t ²	P _w	P _w ²
1		512	262,144
2.			996,740
3.			
4.			
5.			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2872$			
Absolute Open Flow 2872 Mcfd @ 15.025		Angle of Slope @ _____	
Slope, n .85			
Remarks:			
Approved By Division		Conducted By: David Ball	Calculated By: Kevin McCord
		Checked By:	