

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4/29/88	
Company Robert L. Bayless		Connection Bayless	
Pool Undesignated Pictured Cliffs		Formation Pictured Cliffs	
Completion Date 4/22/88		Total Depth 4100'	
Plug back TD 3950' (Bridgeplug)		Elevation 7138' RKB	
Farm or Lease Name Jicarilla 464		Well No. 2	
Csg. Size 4 1/2	Wt. 11.6	d 4.000	Set At 4098'
Perforations: From 3736' To 3830'		Well No. 2	
Trg. Size 1 1/2	Wt. 2.9	d 1.610	Set At 3999'
Perforations: From To		Unit Sec. Twp. Rge. D 32 30N 3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Upper Pictured Cliffs Zone		Packer Set At None	
Producing Thru tubing		Baro. Press. - P _a 12.0 (est.)	
Reservoir Temp. °F #		Mean Annual Temp. °F	
County Rio Arriba		State New Mexico	
L	H	Gg	% CO ₂
		.65	% 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
SI	7 days		
1.	2 inch x .750		
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.365		268
2.			
3.			
4.			
5.			
NO.	R _t	Temp. °R	T _t
1	0.40		1.39
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl.			
A.P.I. Gravity of Liquid Hydrocarbon _____ Deg.			
Specific Gravity Separator Gas _____			
Specific Gravity Flowing Fluid _____			
Critical Pressure _____ P.S.I.A.			
Critical Temperature _____ R			
P _c 787 P _c ² 619,369			
NO.	P _i ²	P _w	P _w ²
1		742	550,564
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 9.0018$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.4741$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 27,321$			
Absolute Open Flow 27,321 Mcl @ 15.025			
Angle of Slope @ _____			
Slope, n .85			
Remarks: AOF for upper Pictured Cliffs zone.			
Approved By Division		Conducted By: David Ball	
Calculated By: Kevin H. McCord		Checked By:	