

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/23/89	
Company Robert L. Bayless				Connection Robert L. Bayless	
Pool East Blanco. Pictured Cliffs				Formation Pictured Cliffs	
Completion Date 1/14/89		Total Depth 4165'		Elevation 7155' RKB	
Csg. Size 4 1/2"		Set At 4146'		Perforations: From 3750' To 3840'	
Trg. Size 1 1/2"		Set At 3782'		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none	
Producing Thru tubing				Baro. Press. - P _g 12.0 (est.)	
L		H		County Rio Arriba	
Cg .65 (est)		% CO ₂		State New Mexico	
% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	9 days						1024		1025	
1.	2 inch x .750						266		740	
2.										
3.										
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	12.365		278	1.000	1.240	1.027	4378
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.41		1.39	.948	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1037 P _c ² 1,075,369				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		752	565,504	509,865
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.1091$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8256$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8858$$

Absolute Open Flow	8256	Mcf/d @ 15.025	Angle of Slope @	Slope, DIST. 1.5
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Remarks: well had a light mist of water throughout test

Approved By Division	Conducted By: David Ball	Calculated By: Kevin McCord	Checked By:
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RECEIVED
 JAN 24 1989
 OIL CON. DIV.
 DIST. 1.5