

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/27/89			
Company Robert L. Bayless				Connection Robert L. Bayless					
Pool East Blanco Pictured Cliffs				Formation E. Blanco Pictured Cliffs				Unit	
Completion Date 1/20/89		Total Depth 4075'		Plug back TD 3949'		Elevation 7086' RKB		Farm or Lease Name Jicarilla 459	
Csq. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 4048'	Perforations: From 3670' To 3729'		Well No. 8			
Tng. Size 1 1/2"	Wt. 2.9#	d 1.610	Set At 3700'	Perforations: From To		Unit Sec. Twp. Rye. DC 17 30N 3W			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple single						Packer Set At none		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0 (est)		State New Mexico	
L	H	G _g .65 (est)	% 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.	
SI	7 days						1080		1085	
1.	2 inch x .750						90	60°	242	
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		102	1.000	1.240	1.014	1586
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.152		1.39	.973	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1097 P _c ² 1,203,409					RECEIVED FEB 03 1989 OIL CON. DIV. DIST. 3	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²		
1		254	64,516	1,138,893		
2						
3						
4						
5						

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0566$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1662$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0480$$

Absolute Open Flow	1662	Mcf/d @ 15.025	Angle of Slope @	Slope, n	85
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Remarks: slight mist of water throughout test

Approved By Division	Conducted By: David Ball	Calculated By: Kevin H. McCord	Checked By:
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