

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 7/3/89		
Company Robert L. Bayless			Connection Robert L. Bayless		
Pool Undesignated Ojo Alamo			Formation Ojo Alamo		
Completion Date 6/10/89		Total Depth 4045'		Plug back TD 3972'	
				Elevation 7154'	
Farm or Lease Name Jicarilla 457					
Csg. Size 4 1/2"	Wt. 11.6	d 4.000	Set At 4038'	Perforations: From 3146' To 3247'	
Well No. 1					
Tng. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 3749'	Perforations: From To	
Unit L	Sec. 9	Twp. 30N	Rge. 3W		
Type Well - Single - Drivenhead - G.G. or G.O. Multiple single			Packer Set At 3098' & 3360'		
County Rio Arriba					
Producing Thru tubing		Reservoir Temp. °F #60°		Mean Annual Temp. °F	
				Baro. Press. - P <sub>g</sub> 12.0	
State New Mexico					
L	H	G <sub>g</sub> .6018	% CO <sub>2</sub>	% N <sub>2</sub>	
				% H <sub>2</sub> 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 <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 day shut-in										
1.	2" x .750						990		-0-		3 hrs.
2.							28		-0-		
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	12.365		40	1.000	1.289	1.011	645
2.							
3.							
4.							
5.							

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NO.	R	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.060	520	1.45	.978	A.P.I. Gravity of Liquid Hydrocarbons	_____ Deg.
2.					Specific Gravity Separator Gas	_____
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	_____ P.S.I.A.
5.					Critical Temperature	_____ R

**OIL CON. DIV.**  
**DIST. 3** XXXXXXXXX

NO.	P <sub>1</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1600	80	6344	997,660	1.0064	1.0057
2						
3						
4		(calculated)			AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$	649
5						

Absolute Open Flow 649 Mcfd @ 15.025    Angle of Slope @ \_\_\_\_\_    Slope, n .90

Remarks: Well made a trace of water during test.

**CONFIDENTIAL**

Approved By Division	Conducted By: David Ball	Calculated By: Price Bayless	Checked By:
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