

NEW MEXICO OIL AND GAS COMMISSION
MULTIPOINT AND ONE POINT BACK TO THE WELL TEST FOR GAS WELL

Type of Test ☒ Initial ☐ Annual Date: 6-3-77		Company Dave M. Thomas, Jr.		Classification Waiting on Pipeline		Pool Ballard P. C.		Foundation Pictured Cliffs		State New Mexico	
Completion Date 5-11-77		Well Depth 3300'		Flow Back TD 3267'		Elevation 7559' KB		Name of Loc. Owner Chacon Jicarilla			
Orif. Size 4.500	Wt. 10.50	Pressure 4.052	Set At 3,287	Flow Back 3,186	to 3,224	Well No. 9					
Tag. Size 1.660	Wt. 2.40	Pressure 1.380	Set At 3,101	Flow Back Open	to Ended	Unit L	Sec. 23-23N-	Trsp. 3W			
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single				Flow Back At None		County Sandoval					
Producing thru Tubing		Pressure Temp. °F 94 @ 3300		Mean Annual Temp. °F ---		Flow Back - P _d 12.0		State New Mexico			
L 3101	H 3101	Gg 0.600	% CO ₂ ---	% N ₂ ---	% H ₂ S ---	Sliver ---	Water Run ---	Days ---			

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.	Temp. °F	
1.	3/4" THC						740		755		8 days
2.							230		445		3 hrs
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf
1.	12.3650		242	1.0000	1.0000	1.0000	2,992
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/lbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXX XXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

P _c 767	P _c ² 588,289		
NO.	P _t ²	P _w	P _w ²
1		457	208,849
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5504$$

$$ACF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,344$$

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4517$$

Absolute Open Flow	4,344	Mcf @ 15.005	Angle of Slope	Slope, n
Remarks:				
Approved By Commission:	Conducted By:	Checked By:		
	Roger McCown	Ewell N. Walsh		