

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-4-72				
Company AMOCO PRODUCTION COMPANY				Connection None					
Pool Fulcher Kuta				Formation Pictured Cliffs				Unit	
Completion Date 11-27-72		Total Depth 2090		Plug Back TD 2006		Elevation 6036 KB		Farm or Lease Name R. P. Hargrave "B"	
Csg. Size 4.50	Wt. 9.5	d 4.090	Set At 2053	Perforations: From 1950 To 1974			Well No. 2		
Tbg. Size 1.66	Wt. 2.4	d 1.380	Set At 1971	Perforations: From Open To Ended			Unit Sec. Twp. Rge. K 4 27N 10W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At -		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.		State New Mexico	
L	H	Gg .650	% 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	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days					295		305	
1.	2-Inch	.750				50	60°	261	
2.									
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		62	1.000	.9608	1.000	737
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					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.
5					Critical Temperature	R

P _c 317	P _c ² 100,489		
NO.	P _t ²	P _w	P _w ²
1		273	74529
2			25960
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{3.8709}}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{2328}}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{3.1590}}$

Absolute Open Flow 2328 Mcfd @ 15.025		Angle of Slope ϕ	Slope, n .85
Remarks:			
Approved By Commission:		Conducted By: O. N. Thurston	Calculated By: Calvin/Ellison
		Checked By: J. Arnold Snell	