

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

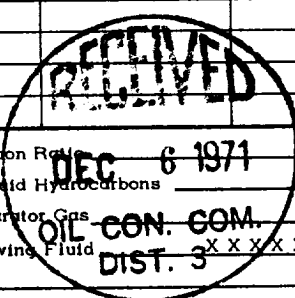
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-2-71	
Company AMOCO PRODUCTION COMPANY				Connection	
Pool Ute Dome Dakota				Formation Dakota	
Completion Date 12-2-71		Total Depth 3125'		Plug Back TD 3049'	
				Elevation 6371' GL	
Farm or Lease Name Ute Mt. Tribal "D"				Well No. 3	
Csg. Size 5-1/2"	Wt. 14#	d 5.012	Set At 3093'	Perforations: From 2920' To 3010'	
Tbg. Size 2-3/8"	Wt. 4.7#	d 1.995	Set At 3002'	Perforations: From 2908' To 3002'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing				Baro. Press. - P _a 12	
Reservoir Temp. °F 112 @ 3010'		Mean Annual Temp. °F 60°		State New Mexico	
L 2965	H 2965	Gg .700 Est.	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
County San Juan					

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	10 days						792		797	
1.	2"		.750	394			394	60° est.	670	60° est.
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		406	1.000	.9258	1.057	4913
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	
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
1		682	465124	189357
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{654481}{189357}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12,454$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5349$

Absolute Open Flow	12,454	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks:

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: P. C. Ellison	Checked By: <i>J. L. Bridgman</i>
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