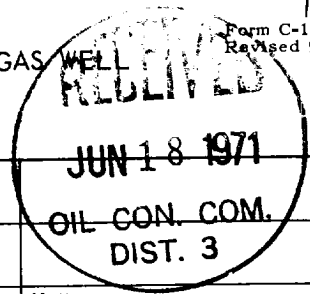


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-14-71					
Company AMCO PRODUCTION COMPANY					Connection El Paso Natural Gas Company					
Pool Ute Dome Paradox					Formation Paradox					
Completion Date 6-14-71			Total Depth 8371'		Plug Back TD 8331'		Elevation 5948'		Farm or Lease Name Ute Indians "A"	
Csg. Size 5-1/2"	Wt. 15 & 17	d 4.892	Set At 8371'	Perforations: From 7696' To 8314'			Well No. 6			
Tbg. Size 2-7/8"	Wt. 6.5	d 2.441	Set At 8172'	Perforations: From 8172' To			Unit G	Sec. 34	Twp. 32N	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 7635'			County San Juan		
Producing Thru Tubing		Reservoir Temp. °F 175° @ 8371'		Mean Annual Temp. °F 60°		Baro. Press. - P _a 12		State New Mexico		
L 8005	H 8005	G _g .850	% CO ₂ 26.47	% N ₂ 1.97	% H ₂ S 3.32	Prover X	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.	Temp. °F	
SI							1619		1360		7 days
1.	2"		3/4"			60° est.	553		1350		3 hr.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		565	1.000	.8402	1.061	6,228
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1.	.7281	560	1.333	.889	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2.					Specific Gravity Separator Gas .85 est. X X X X X X X X			
3.					Specific Gravity Flowing Fluid X X X X X			
4.					Critical Pressure 776 P.S.I.A. P.S.I.A.			
5.					Critical Temperature 390 R R			

P _c 1631	P _c ² 2,660,161			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.4171}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.4171}$
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1	319225	885	782972	1877189	
2					
3					
4					
5					

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{8,826}$

Absolute Open Flow 8,826 Mcfd @ 15.025	Angle of Slope 45°	Slope, n 1
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Remarks: **P_w calculated per C-122-A.**

Approved By Commission:	Conducted By: B. D. Dukas	Calculated By: E. R. Hirst	Checked By: D. A. Wayhan
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