

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 10-25-73	
Company AMCO PRODUCTION COMPANY					Connection -	
Pool Ute Dome					Formation Dakota	
Completion Date 10-18-73		Total Depth 2436		Plug Back TD 2397		Elevation 5990
Farm or Lease Name Ute Mtn. Tribal "J"						Well No. 4
Csg. Size 5.500	Wt. 14	d 5.012	Set At 2436	Perforations: From 2285 To 2368		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 2284	Perforations: From Open To Ended		Unit Sec. Twp. Rge. L 1 31N 14W
Type Well - Single - Brdhead - G.G. or G.O. Multiple Single					Packer Set At	
Producing Thru Tubing					State New Mexico	
Reservoir Temp. °F @		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a		County San Juan
L	H	G _g .685	% CO ₂	% N ₂	% H ₂ S	Prover
						Meter Run
						Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	X	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days					459		459	
1.	2-Inch	.750				198	60° Est.	414	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		210	1.000	.9359	1.023	2486
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 471	P _c ² 221,841			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{5.4959}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{3.5868}$
NO.	P _w	P _w ²	P _c ² - P _w ²		
1	426	181,476	40365		
2					
3					
4					
5					

Absolute Open Flow 8917 Mcfd @ 15.025			Angle of Slope θ _____	Slope, n .75
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Remarks:			
Original Signed by J. ARNOLD SNELL			
Approved By Commission NOV 6 1973	Conducted By: J. F. Elledge	Calculated By: J. F. Elledge/Pope	Checked By: J. Arnold Snell