

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

Form C-122
Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 10-7-80			
Company Ameco Production Company				Connection Gas Company of New Mexico				
Pool Basin				Formation Dakota				Unit
Completion Date 9-19-80		Total Depth 7443		Plug Back TD 7390		Elevation 6696 GL		Farm or Lease Name Jicarilla Apache 147
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 7423	Perforations: From 7106 To 7290		Well No. 1E		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7289	Perforations: From open To ended		Unit J	Sec. 8	Twp. 25N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba		
Producing Thru tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	Gg	% 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	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	9 Days						1635		1635		3 hrs
1.	2.375		.750				200		841		
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	12.365		212	1.000	.9258	1.025	2488
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 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 1647	P _c ² 2712609	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.3666}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.2639}$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		853	727609	1985000
2				
3				
4				
5				

Absolute Open Flow 3143 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: Lite mist would not flare			
Approved By Commission	Conducted By J.J. Barnett	Calculated By J.J. Barnett	Checked By W.L. Peterson