

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 6-25-73	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Ballard				Formation Pictured Cliffs		Unit
Completion Date 6-18-73		Total Depth 2891'		Plug Back TD 2865'		Elevation 7301' GL
Farm or Lease Name Jicarilla Tribal 358						Well No. 5
Csq. Size 4.500"	Wt. 9.500#	d 4.090	Set At 2891'	Perforations: From 2704' To 2744'		
Tbg. Size 1.250"	Wt. 2.3#	d 1.380	Set At 2686'	Perforations: From Open To Ended		Unit Sec. Twp. Rge. A 7 22N 2W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2680'		County Sandoval
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 60° est.		Baro. Press. - P _a 12 psia est.
State New Mexico						
L	H	G _g .65	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	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	7 days			632		0			
1.	2"	.750		59	60° est	0	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	12.365		71	1.000	.9608	1.010	852
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 644	P _c ² 414,736	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{1.162}}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1.1361}}$
NO.	P _t ²	P _w	P _w ²
1			57841
2			356895
3			Used Friction Loss Calculation
4			
5			

Absolute Open Flow 968		Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
Remarks:				
Original Signed by L. ARNOLD SNELL				
Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: J. W. Calvin	Checked By: P. C. Ellison	