

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 6/30/78	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Choza Mesa				Formation Pictured Cliffs		Unit	
Completion Date 6/23/78		Total Depth 4500		Plug Back TD 4340		Elevation 7281	
Farm or Lease Name Valencia Canyon Unit							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4605	Perforations: From 4118 To 4300		Well No. 25	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 4285	Perforations: From Open To Ended		Unit Sec. Twp. Rge. N 15 28 4	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a State New Mexico	
L	H	Gg .65	% 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.	
SI	7 days						1028		1028	
1.	2.375	0.750					350	60	725	3 hrs
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		362	1.000	0.9608	1.037	4460
2.							
3.							
4.							
5.							

NO.	P _f	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 1040 P _c ² 1081600					
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0088$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8092$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8069$
1		737	543169	538431	
2					
3					
4					
5					

Absolute Open Flow	8069	Mcf/d @ 15.025	Angle of Slope @	Slope, n 85
Remarks:				
Approved By Commission:	Conducted By: KCW/TMO	Calculated By: T. M. Oliver.	Checked By: J. L. Krupka	