

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 2-28-77			
Company AMOCO PRODUCTION COMPANY				Connection None					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 3-1-77		Total Depth 3241		Plug Back TD 3193		Elevation 6234 est GL		Farm or Lease Name Kelly Gas Com "A"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3241	Perforations: From 3026 To 3056		Well No. 7			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 3128	Perforations: From Open To Ended		Unit H	Sec. 15	Twp. 31	Rge. 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan			
Producing Thru Tbg.		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	10 days						762		758	
1.	2.375		.750				250	60°	450	
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		262	1.000	.9608	1.026	3194
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 774	P _c ² 599,076	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.5535}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.4542}$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	462	213,444	385,632
2			
3			
4			
5			

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{4645}$$

Absolute Open Flow 4645 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .85
Remarks: _____		

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: Oliver/W.R. Bloom	Checked By: H. D. Montgomery
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