

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 12-14-76	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 12-7-76		Total Depth 4900		Plug Back TD 4865		Elevation 5777' GL
Farm or Lease Name Killott Gas Com "C"						Well No. 1-A
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2824	Perforations: From 4062 To 4785		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4797	Perforations: From Open To Ended		Unit Sec. Twp. Rge. F 33 30 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12 psia		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						499		591	
1.	2-Inch	.750					180	60°	510	
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		192	1.00	.9608	1.021	2329
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
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

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²
1		522	365,609	272,484
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3.9902}{6575}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.8232}{.75}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6575$

Absolute Open Flow 6575	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: **4.500" Liner set 2665-4900'**

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: Oliver/Cordill	Checked By: H. D. Montgomery
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