

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 08 26 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 06 10 80		Total Depth 6054		Plug Back TD 6016		Elevation 5381 GL	
Csg. Size 4.500		Wt. 11.6		Set At 4.000		Well No. 108E	
Perforations: From 5812 To 5944		Perforations: From open To ended		Unit N 13 29 13		Farm or Lease Name GALLEGOS CANYON UNIT	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At NONE		County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F θ		Mean Annual Temp. °F		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
Sl	9 days						1311		1311		3 hrs
1.	2.375	.750					84		306		
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		96	1.000	.9258	1.010	1110
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 1323 P _c ² 1750329				
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²
1		318	101124	1649205
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0613}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1161}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0456}$$

Absolute Open Flow	1161	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved By Commission	Conducted By JJB	Calculated By J J BARNETT	Checked By W L PETERSON
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