

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 12-12-77	
Company AMOCO PRODUCTION COMPANY				Connection			
Pool CHOSA MESA				Formation PICTURED CLIFFS		Unit	
Completion Date 12-12-77		Total Depth 4340		Plug Back TH 4295		Elevation 7273 GL	
Form or Lease Name VALENCIA CANYON UNIT							
Csg. Size 4.500	Wt. 11.6	d 4.0	Set At 4343	Perforations: From 4160 To 4230		Well No. 8	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 4251	Perforations: From Open To Ended		Unit E	Sec. 25
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F @		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run
		.65					

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	
1.	7 days						1109		1114		
1.	2.375		0.750				500		1075		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		512	1.000	.9608	1.050	6387
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Met/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1.	1126	1267876	1087	1181569	86307
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{14.6903}{14.6903 - 14.6903} = \frac{14.6903}{0} = \text{undefined}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{62701}{1} = 62701$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{9.8169}{1} = 9.8169$

Absolute Open Flow	62701	Mcfd @ 15.025	Angle of Slope	Slope, n .85
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Remarks:

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/MJF	Checked By:
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