

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 4-30-73	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Ute Dome Paradox				Formation Paradox		Unit
Completion Date 4-23-73		Total Depth 9207		Plug Back TD 9162		Elevation 6643 KB
Farm or Lease Name Mt. Ute Gas Com "F"						
Csg. Size 5-1/2	Wt. 15#	d 4.892	Set At 9207	Perforations: From 8428 To 9110		Well No. 1
Tbg. Size 2-7/8	Wt. 6.5	d 2.441	Set At 9044	Perforations: From 8991 To 8994		Unit Sec. Twp. Rge. 6 25 32N 14W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 8220'	
Producing Thru Tubing		Reservoir Temp. °F 175 @ 9207		Mean Annual Temp. °F 60°		Baro. Press. - P _a 12 psia
State New Mexico						
L	H	Gg .85	% CO ₂ 25	% N ₂ 2	% H ₂ S 2	Prover
Meter Run		Taps				

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	X	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					1995		1065	
1.	2-Inch	.750				447		1108	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		459	1.0	.8402	1.096	5226
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		754	568,516	3459533
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1643$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6085$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1643$

Absolute Open Flow	6085	Mcfd @ 15.025	Angle of Slope ϕ	Slope, n 1
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Remarks:

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: J. Pope/R. Robbe	Checked By: J. Arnold Snell
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