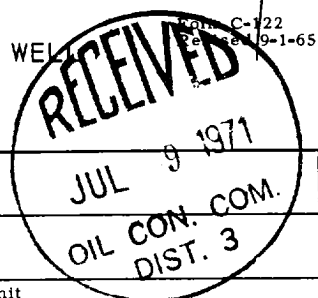


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-6-71	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Ute Dome Paradox				Formation Paradox		Unit
Completion Date 7-6-71		Total Depth 8465		Plug Back TD 8429		Elevation KB 6052
Farm or Lease Name Mt. Ute Gas Com "A"						Well No.
Csg. Size 5-1/2"	Wt. 15#	d 17#	Set At 4.892	Perforations: From 8274 To 8288		Unit 1
Tbg. Size 2-7/8"	Wt. 6.5#	d 2.441	Set At 8379	Perforations: From 8379 To		Unit Sec. Twp. Rge. G 3 31N 14W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 7354	
Producing Thru Tubing		Reservoir Temp. °F 178°@ 8465		Mean Annual Temp. °F 60°		Baro. Press. - P _a 12
State New Mexico						County San Juan
L 8274	H 8274	G _g .8455	% CO ₂ 26.37	% N ₂ 1.38	% H ₂ S 1.66	Prover X
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	
1.	2"		0.750			60°	1690		1113		7 days
2.							369		1102		3 hrs.
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.	12.3650		381	1.000	.8426	1.04	4128
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.49	520	1.33	0.925	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .8455 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXXX
4.					Critical Pressure 774 P.S.I.A. P.S.I.A.
5.					Critical Temperature 391 R R

P _c 1702	P _c ² 2,896,804		
NO.	P _t ²	P _w	P _w ²
1	145161	585	342,064
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1339} \qquad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.1339}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{4681}$$

Absolute Open Flow 4681 Mcfd @ 15.025	Angle of Slope 45°	Slope, n 1
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Remarks: _____

Approved By Commission:	Conducted By: J. F. Ellledge	Calculated By: J. A. Pope	Checked By: D. A. Wayhan
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ORIGINAL SIGNED BY
D. A. WAYHAN