

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 11-27-72	
Company AMOCO PRODUCTION COMPANY				Connection None	
Pool Ute Dome Dakota				Formation Dakota	
Completion Date 12-1-72		Total Depth 2613		Plug Back TD 2576	Elevation 6045 KB
Farm or Lease Name Ute Mt. Tribal "J"					
Csg. Size 5-1/2"	Wt. 14#	d 1.995	Set At 2613	Perforations: 6031 GL	
Thg. Size 2-3/8"	Wt. 4.7#	d 1.995	Set At 2515	Perforations: 2369 To 2483	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At Open End	
Producing Thru Tubing		Reservoir Temp. °F 109° @ Td		Mean Annual Temp. °F Est. 60°	
Baro. Press. - P _a 12 PSIA Est.		State San Juan			
L 2426	H 2426	G _g .700	% 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	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI										
1.	2"	1 day				377		458		
2.		.750				102	60°	238		3 Hr.
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		114	1.000	.9258	1.015	1325
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w ²	R _w ²	P _c ² - R _w ²
1.		250	62,500	158,400
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \underline{1.3945}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{1700}$

(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{1.283}$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .75
Remarks: _____		

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: P. C. Ellison	Checked By: J. Arnold Snell
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