

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 11-19-72	
Company AMOCO PRODUCTION COMPANY				Connection	
Pool Ute Dome Dakota				Formation Dakota	
Completion Date 11-12-72		Total Depth 3230		Plug Back TD 3022	
				Elevation 6164 ft. 6178 ft.	
Farm or Lease Name Ute Mountain Tribal "D"					
Csg. Size 5.5	Wt. 14	d 5.012	Set At 3226	Perforations: From 2912 To 2940	
Well No. 6					
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At 2918	Perforations: From Open End To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F 100 @ TD		Mean Annual Temp. °F Est. 60°		State New Mexico	
Baro. Press. - P _a Est. 12 PSIA					
L 2926	H 2926	Gg .700	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	X Choke Size	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								
1.	2-Inch	.750	114			554	60°	662	
2.						114		204	
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		126	1.00	.9258	1.016	1465
2.							
3.							
4.							
5.							

NO.	P _r	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	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.
5.					Critical Temperature	R

P _c 674 P _c 454,276			
NO.	P _r ²	P _w	P _w ²
1		216	46,656
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1145$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1606$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0964$$

Absolute Open Flow 1606 Mcfd @ 15.025	Angle of Slope θ	Slope, n .85
Remarks:		

Approved By Commission:	Conducted By: J. F. Ellledge	Calculated By: J. A. Pope	Checked By: P. C. Ellison
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