

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 2-7-72	
Company AMOCO PRODUCTION COMPANY				Connection None		
Pool Ute Dome				Formation Dakota		Unit
Completion Date 1-31-72		Total Depth 2618		Plug Back TD 2577	Elevation / KB 6120 / 6131	Farm or Lease Name Mt. Ute Gas Com "C"
Csg. Size 5.5	Wt. 14	d 5.012	Set At 2618	Perforations: From 2374 To 2501		Well No. 1
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 2409	Perforations: From Open End To		Unit 6 Sec. 1 Twp. 31 Rge. 14
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD	Mean Annual Temp. °F Est. 60°	Baro. Press. - P _a 12 PSIA Est.		State New Mexico
L 2438	H 2438	Gg .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	7 Days					497		494		
1.	2-Inch	.750	125			125	60° Est.	262		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	12.3650		137	1.000	.9258	1.015	1592
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.										

P _c 506	P _c ² 256,036	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{256,036}{180,960}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3431$
NO	P _t ²	P _w	P _w ²
1		274	75,076
2			
3			
4			
5			

Absolute Open Flow 2138 Mcfd @ 15.025		Angle of Slope Θ	Slope, n .85
Remarks:			
Approved By Commission:	Conducted By: B. D. Dukas	Calculated By: J. A. Pope	Checked By: D. A. Wayhan