

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 6-13-83			
Company Amoco Production Company				Connection Southern Union Gas Co.					
Pool Ute Dome				Formation Daktoa				Unit	
Completion Date 05-27-83		Total Depth 2602		Plug Back TD 2559		Elevation 6203		Farm or Lease Name Ute Indians "A"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2602	Perforations: From 2366 To 2448		Well No. 3			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 2452	Perforations: From open To ended		Unit Sec. Twp. Rge. H 35 32 14			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	10 Days						450		450	
1.	2.375		.750				72		273	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		84	1.000	.9258	1.009	970
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 _____ 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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	462	213444	285	81225	132219	1.6143	1.4322
2							
3							
4							
5							

Absolute Open Flow 1389 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Med mist of wt; run new casing & recompleted pay zone

Approved By Commission:	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: JB
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