

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 8-17-73			
Company AMOCO PRODUCTION COMPANY				Connection Southern Union Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 8-10-73		Total Depth 8042'		Plug Back TD 8013'		Elevation 7014' GL		Farm or Lease Name Jicarilla Apache Tribal 151	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8042	Perforations: From 7781 To 7994		Well No. 5			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7964	Perforations: From Open To Ended		Unit K Sec. 9 Twp. 26 Rge. 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 70		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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	7 Days						2057		2257	
1.	2-Inch						115		390	4 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							1413
2							
3							
4							
5							

Producing through Separator with 80# back pressure and 0.750" choke.

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

P _c 2269	P _c ² 5,148,361	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \mathbf{1.0324}$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \mathbf{1.0241}$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		402	161604	4986757
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \mathbf{1447}$

Absolute Open Flow 1447	Mcf/d @ 15.025	Angle of Slope 0	Slope, n .75
Remarks: _____			

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: T. M. Oliver	Checked By: R. K. Kobbe	Original Signed by: J. ARNOLD SNELL
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