

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 11/7/79	
Company AMOCO PRODUCTION COMPANY				Connection GAS COMPANY OF NEW MEXICO			
Pool UTE DOME				Formation DAKOTA		Unit	
Completion Date 10/31/79		Total Depth 2644		Plug Back TD 2596		Elevation 6219	
Farm or Lease Name UTE INDIANS "A"							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2638	Perforations: From 2426 To 2517		Well No. 15	
Thg. Size 2.357	Wt. 4.7	d 1.995	Set At 2502	Perforations: From OPEN To ENDED		Unit E	Sec. 36 Twp. 32 Rge. 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		State NEW MEXICO	
L	H	Gg ,70	% 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.	Temp. °F	Duration of Flow
SI	7 DAYS						380		410		
1.											
2.	2.375		.750				105	60	270		3 HRS
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	12.365		117	1.000	.9608	1.013	1408
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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 422	P _c ² 178084	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.8069}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.5584}$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	282	79524	98560
2			
3			
4			
5			

$AOR = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2194}$

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.5584}$

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

Approved By Commission	Conducted By J. J. BARNETT	Calculated By J. J. BARNETT	Checked By BUD FACKRELL
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