

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-13-79			
Company AMOCO PRODUCTION CO.				Connection GAS CO OF NEW MEXICO					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 11-24-79		Total Depth 7450		Plug Back TD 7417		Elevation 6638		Farm or Lease Name JICARILLA CONTRACT	
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 7450	Perforations: From 7041 To 7218		Well No. 147-3E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7365	Perforations: From open To ended		Unit P	Sec. 6	Twp. 25	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At NONE		County RIO ARRIBA	
Producing Thru		Reservoir Temp. °F θ		Mean Annual Temp. °F		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.		Temp. °F
SI	8 DAYS						1405		1410		3 hrs
1.	2.375		.750				71		420		
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	12.365		83	1.000	.9258	1.009	959
2.							
3.							
4.							
5.							

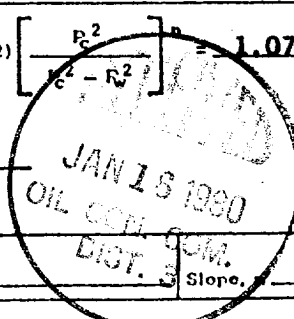
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1422 P _c ² 2022084				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		432	186624	1835460
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1017}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1031}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0753}$



Absolute Open Flow 1031	Mcfd @ 15.025	Angle of Slope 75
Remarks:		
Approved By Commission	Conducted By JJB	Calculated By J J BARNETT
		Checked By B E FACKRELL