

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

Form C-121
Revised 9-1-83

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-21-83		JUL 13 1983	
Company Amoco Production Company				Connection Not dedicated		OIL CON. DIV.	
Pool Basin				Formation Dakota		Unit DIST. 3	
Completion Date 6-10-83		Total Depth 6605		Plug Back TD 6600		Elevation 5782 GL	
Csg. Size 4.500		Wt. 10.5		Set At 4.052		Perforations: From 6400 To 6558	
Thq. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		Well No. 1E	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _q		County San Juan	
				% CO ₂		State New Mexico	
				% N ₂		Prover	
				% H ₂ S		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	9 Days						1500		1500	
1.	2.375		.750				120		615	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		132	1.000	.9258	1.015	1534
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 _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2077$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1520$
1	1512	627	393129	1893015		
2						
3						
4						
5						

Absolute Open Flow 1767 Mcfd @ 15.025				Angle of Slope @ _____	Slope, n .75
Remarks: Drilled & Completed by True Drilling Company					
Approved By Commission		Conducted By J. J. Barnett		Calculated By J. J. Barnett	
				Checked By	