

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form O-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 04 02 80						
Company AMOCO PRODUCTION COMPANY					Connection EL PASO NATURAL GAS COMPANY						
Pool BASIN					Formation DAKOTA						
Completion Date 03 17 80			Total Depth 6329		Plug Back TD 6286		Elevation 5447 GL		Farm or Lease Name SULLIVAN GAS COM D		
Ceq. Size 4.500		Wt. 10.5		d 4.052		Set At 6329		Perforations From 6086 To 6242		Well No. 1E	
Thq. Size 2.375		Wt. 4.7		d 1.995		Set At 6231		Perforations From open To ended		Unit Sec. Twp. Rge. F 26 29N 11W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE								Packer Set At NONE		County SAN JUAN	
Producing Thru TUBING			Reservoir Temp. °F #		Mean Annual Temp. °F #		Baro. Press. - P _a		State NEW MEXICO		
L		H		Cq		% 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	11 days						1090		1140		3 hrs
1.	2.375	.750					100		612		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		112	1.000	.9258	1.012	1298
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} =$
1		624	389376	937728	1.4152	1.4152
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$			
1684			

Absolute Open Flow 1684		Mcf @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks:							

Approved by Division	Conducted By JJB	Calculated By J. J. BARNETT	Checked By B. E. PACKRELL
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