

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 04 08 80	
Company AMOCO PRODUCTION COMPANY		Connection EL PASO NATURAL GAS COMPANY	
Pool BLANCO		Formation MESA VERDE	
Completion Date 03 24 80		Total Depth 4923	Plug Back TD 4880
Elevation 5873 GL		Farm or Lease Name STATE GAS COM A	
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 4923
Perforations From 3961 To 4872		Well No. 1R	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 4873
Perforations From open To ended		Unit H 16 29 9	
Type Well - Single - Drdhead - G.C. or G.O. Multiple SINGLE		Packer Set At NONE	
Producing Thru TUBING		County SAN JUAN	
Reservoir Temp. °F #		State NEW MEXICO	
Mean Annual Temp. °F		Baro. Press. - P _g	
L	H	G _g	% 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	3 days						472		604		3 hrs
1.	2.375	.750					142		437		
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		154	1.000	.9608	1.014	1855
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	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 _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²
1	616	449	379456	201601	177855
2					
3					
4					
5					

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 2.1335$		(2) $\frac{P_t^2}{P_t^2 - P_w^2} = 7653$	
AOF = Q $\left[\frac{R^2}{R^2 - P_w^2} \right]^n = 3275$			

Absolute Open Flow _____ 3275		Mcf @ 15.025		Angle of Slope @ _____	
Remarks _____					

Approved by Division	Conducted By	Calculated By	Checked By
ITR	T. J. BARNETT	R. E. FACKRELL	