

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
AUG 01 1982
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6-27-84	
Company Amoco Production Company		Connection El Paso Natural Gas Company	
Pool Otero		Formation Chacra	
Completion Date 6-16-84		Total Depth 2844	Plug Back TD 2800
Elevation 5441 GR		Farm or Lease Name Earl B. Sullivan Gas Com 'B'	
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 2844
Perforations: From 2662 To 2674		Well No. 1	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 2769
Perforations: From open To ended		Unit Sec. Twp. Rye. I 23 29 11	
Type Well - Single - Brdenhead - 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 _a	
L	H	G _q	% 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	9 days						678		678		3 hrs.
1.	2.375	.750					122		334		
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		134	1.000	.9258	1.012	1552
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 _____ R

P _c 690		P _c ² 476100		(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.3359$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.2426$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		346	119716	356384	
2					
3					
4					
5					

Absolute Open Flow 1929 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: flared flowed Dry, Drilled by True					
Approved By Division		Conducted By: J. Barnett		Calculated By: J. Barnett	
				Checked By:	