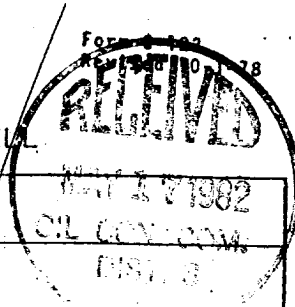


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4-21-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Unit	
Completion Date 3-19-82		Total Depth 7156		Plug Back TD 7112	
Elevation 6673 CL		Farm or Lease Name Jack Frost "D"			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7156	Perforations: From 6898 To 7068	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 7076	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F p		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
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.	
SI	14 Days						754		1446	
1.	2.375		.750				60		852	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		72	1.000	.9258	1.008	831
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 1458 P _c ² 2125764				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		864	746496	1379268
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.5412}{1.3832}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3832$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1149$

Absolute Open Flow 1149 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: _____			
Approved By Division _____			
Conducted By: J. J. Barnett		Calculated By: J. J. Barnett	
		Checked By:	