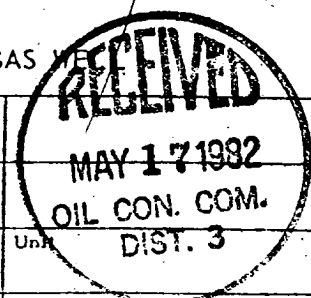


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS



Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4-23-82	
Company Amoco Production Company			Connection El Paso Natural Gas Company		
Pool Basin			Formation Dakota		
Completion Date 3-26-82		Total Depth 6552		Plug Back TD 6494	
				Elevation 5537	
Farm or Lease Name Valencia Gas Com "B"					
Csg. Size 7.000		Wt. 26		Set At 6.276	
				Perforations: From 6338 To 6458	
Trg. Size 2.375		Wt. 4.7		Set At 1.995	
				Perforations: From open To ended	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual				Packer Set At 4430	
Producing Thru Tubing				State New Mexico	
Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a	
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	14 Days						1103		X		
1.	2.375		.750				205		X		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		217	1.000	.9258	1.026	2549
2.							
3.							
4.							
5.							

NO.	P _r	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 ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1946$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1426$
1		450	202500	1040725		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2913$

Absolute Open Flow 2913 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: <i>JB</i>
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