

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial ☐ Annual ☐ Special		Test Date 02 13 80	
Company AMOCO PRODUCTION COMPANY			Connection EL PASO NATRL. GAS COMPANY		
Pool BASIN			Formation DAKOTA		Unit
Completion Date 01 26 80		Total Depth 6555		Plug Back TD 6507	Elevation 5577 GL
Csg. Size 4.500		Wt. 11.6	d 4.000	Set At 6555	Perforations: From 6252 To 6444
Tbg. Size 2.375		Wt. 4.7	d 1.995	Set At 6438	Perforations: From open To ended
Type Well - Single - Brdenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _a		County SAN JUAN COUNTY		State NEW MEXICO	
L	H	Gg	% 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	7 days						1169		1340		3 hrs
1.	2.375	.750					180		725		
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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		192	1.000	.9258	1.023	2248
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.
5.					Critical Temperature _____ R

P _c 1352	P _c ² 1827904	(1) $\frac{P_c^2}{R^2 - R_w^2} = \underline{1.4228}$	(2) $\frac{P_c^2}{R^2 - R_w^2} = \underline{1.4227}$
NO.	P _r ²	P _w	P _w ²
1		737	543169
2			
3			
4			
5			

Absolute Open Flow 2929 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n. .75
Remarks: _____			

Approved By Division	Conducted By: LTR	Calculated By: T T BARNETT	Checked By:
----------------------	-----------------------------	--------------------------------------	-------------