

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 04 30 80				
Company Amoco Production Co.				Connection El Paso Natural Gas Co.					
Pool Basin				Formation Dakota				Unit	
Completion Date 04 11 80		Total Depth 6057		Plug Back TD 6014		Elevation 5348 GL		Farm or Lease Name Burnham Gas Com	
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6057	Perforations: From 5838 To 5971		Well No. 1E			
Fig. Size 2.375	Wt. 4.7	d 1.995	Set At 5985	Perforations: From open To ended		Unit Sec. Twp. Rge. F 12 29 13			
Type Well - Single - Brodenhead - G.G. or G.O. Multiple SINGLE					Packer Set At NONE		County SAN JUAN		
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Temp	

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	12 days						1745		1855		3 hrs
1.	2.375	.750					490		1055		
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 Fpv	Rate of Flow Q, Mcfd
1	12.365		502	1.000	.9258	1.064	6114
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	XXXXXX
2.					Specific Gravity Flowing Fluid _____	XXXXX
3.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
4.					Critical Temperature _____ R	_____ R
5.						

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1		1067	1138489	2347200		1.4850	1.3453
2							
3							
4							
5							

P _r 1867 P _r ² 3485689		AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$ 8225	
Absolute Open Flow 8225 Mcfd @ 15.025		Angle of Slope 75	
Remarks _____			

Approved by Division	Conducted By JJB	Calculated By J. J. BARNETT	Checked By B. E. FACKRELL
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