

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 4/19/85		Flac	
Company Amoco Production Co.		Connection El Paso Natural Gas Co		846356-01-2	
Pool Basin		Formation Dakota		Unit	
Completion Date 4/8/85		Total Depth 6138		Plug Back TD 6098	
		Elevation 5427GR		Farm or Lease Name Gallegos Canyon Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6138	Perforations: From 5890 To 6034	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6037	Perforations: From open To ended	
Type Well - Single - Brodenhead - G.C. or G.O. Multiple Single				Packer Set At none	
Producing Thru tubing		Reservoir Temp. °F P		Mean Annual Temp. °F	
L		H		Baro. Press. - P _a	
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	10 days						680		825		
1.	2.375		1.500				180		515		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	5.4315		192	1.000	.9258	1.022	987
2.							
3.							
4.							
5.							

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

P _c	837	P _c ²	700569	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		527	277729	422840
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.6568}{}$$
$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1441}{}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.4603}{}$$

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6568 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4603$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1441$$

Absolute Open Flow 1441 Mcfd @ 15.025 Angle of Slope θ Slope, n .75

Remarks: Not flared, Lite H2O, Med. condensate

Approved By Division	Conducted By: Bryan Services	Calculated By: J.J. Barnett	Checked By: 88
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