

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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NOV 28 1983

OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 11/2/83	
Company Amoco Production Company		Connection El Paso Natural Gas Company	
Pool Aztec		Formation Pictured Cliffs	
Completion Date 10-20-83	Total Depth 2953	Plug Back TD 2909	Elevation 5524 GL
Farm or Lease Name Abrams Gas Com "G"		Well No. 1	
Csg. Size 7.000	Wt. 26	Set At 6.276	2953
Thg. Size 2.375	Wt. 4.7	Set At 1.995	1815
Perforations: From 1764 To 1830		Perforations: From orange peeled sup.	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual		Packer Set At 2000	
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a
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	
1	7 days						185		232		
2	2.375		1.750				54		164		3 hrs
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		66	1.000	.9608	1.007	720
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _f	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 244	P _c ² 5936			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		176	30976	28560
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0846$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1475$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8671$

Absolute Open Flow 1475	Mcf @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: X heavy H2O

Approved By Division	Conducted By: J.J. Barnett	Calculated By: J.J. Barnett	Checked By:
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