

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAR 27 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 3-2-84	
Company Amoco Production Company		Connection Not Dedicated	
Pool Basin		Formation Dakota	
Completion Date 2-6-84		Total Depth 6767	Plug Back TD 6725
Elevation 5759 GL		Farm or Lease Name Martinez Gas Com "G"	
Eq. Size 4.500	Wt. 10.5	d 4.052	Set At 6767
Perforations: From 6516 To 6614 6702		Well No. 1E	
Eq. Size 2.375	Wt. 4.7	d 1.995	Set At 6698
Perforations: From open To ended		Unit Sec. Twp. Rye. D 24 29 10	
Type Well—Single—Bordenhead—G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F •	Mean Annual Temp. °F
Baro. Press. — P _a		County San Juan	
State New Mexico			
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	12 days						1120		1120		
1.	2.375	.750					110		582		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		122	1.000	.9258	1.014	1416
2.							
3.							
4.							
5.							

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

P_c		1132		P_c^2 1281424			
NO	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.3800}{}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.2732}{}$	
1		594	352836	928588			
2							
3							
4							
5							

LOG = Q	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1803}{}$
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$$AOF = Q \left[\frac{P_w^2}{P_c^2 - P_w^2} \right]^n = 1803$$

Absolute Open Flow	1803	Mcf/d @ 15.025	Angle of Slope	.75
Remarks: Med spray H ₂ O, Lite oil, was not flared.				

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