

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
MAY 15 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 5-4-84	
Company Amoco Production Company		Connection Not Dedicated	
Pool Bloomfield <i>Steno</i>		Formation Chacra	
Completion Date 4-20-83		Total Depth 2980	Plug Back TD 2939
Elevation 5511 GR		Farm or Lease Name Stahley Gas Com "A"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2980
Perforations: From 2744 To 2854		Well No. 1	
Tvg. Size 2.375	Wt. 4.7	d 1.995	Set At 2855
Perforations: From Open To Ended		Unit C 29 29 10	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F #	
Mean Annual Temp. °F		Baro. Press. - P _a	
L		H	G _g
% CO ₂		% N ₂	% H ₂ S
Prover		Meter Run	
Taps		State New Mexico	

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	11 Days						910		910		
1.	2.375 .750						145		244		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		157	1.000	.9258	1.018	1830
2.							
3.							
4.							
5.							

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

P_c 922		P_c^2 850084				
NO	P_r^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0835$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0620$
1		256	65536	784548		
2						
3						
4						
5						

$\log r = Q$ $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1943$

Absolute Open Flow 1943 Mcfd @ 15.025		Angle of Slope 75	
Remarks: Flared; flowed dry, drilled by True			
Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: