

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
SEP 18 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 9/6/84	
Company Amoco Production Company		Connection Not Dedicated	
Pool Blanco		Formation Mesa Verde	
Completion Date 8/29/84		Total Depth 5422	Plug Back TD 5377
		Elevation 6577GC	
Coq. Size 4.500	Wt. 10.5	d 4.052	Get At 5422
		Perforations: From 5134 To 5342	
Thq. Size 2375	Wt. 4.2	d 1.995	Get At 5347
		Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Get At None	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F #	Mean Annual Temp. °F #
		Baro. Press. - P _a	State New Mexico
L	H	G _g	% CO ₂
			% H ₂
			% H ₂ S
		Prover	Meter Run
			Tap

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 DAXS						740		1280		
1.	2.375	.750					74		326		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 O. Mcfd
1	12.365		86	1.000	.9258	1.009	993
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	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 1292	P _c ² 1669264	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.0735$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.0546$
NO. 1	P ₁ ² 338	P _w ² 114244	P _c ² - P _w ² 1555020
2			
3			
4			
5			

$$AOF = Q \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1047$$

Absolute Open Flow 1047 Mcfd @ 15.025 Angle of Slope 4 Slope, n .75

Remarks: Flared, Med H₂O Heavy Oil

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