

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAR 14 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 2-8-85	
Company Amoco Production Co.				Connection Northwest Pipeline			
Pool Indes WC				Formation Gallup		Unit DIST. 3	
Completion Date 11-12-84		Total Depth 8188		Plug Back TD 8010		Elevation 6275GR	
Csg. Size 4.500		Wt. 11.6		Set At 8188		Perforations: From 6886 To 7178	
Thq. Size 2.375		Wt. 47		Set At 7635		Perforations: From sliding sleeve	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple commingle						Packer Set At 7671	
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g	
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.	
SI	86 days						3150		3150	
1.	2.375		.750				190		1460	3hrs
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		202	1.000	.9258	1.023	2366
2.							
3.							
4.							
5.							

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

P _c 3162 P _c ² 9998244				
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		1472	2166784	781460
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.2767$ (2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.2010$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n 2842$

Absolute Open Flow 2842 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n 75
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Remarks: lite spray H2O
delay due to muddy roads

Approved By Division	Conducted By: B & R Services	Calculated By: JJ Barnett	Checked By:
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