

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

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 Basin		Formation Dakota	
Completion Date 11-12-84	Total Depth 8188	Plug Back TD 8010	Elevation 6275GR
Farm or Lease Name Rosa Unit		Well No. 108	
Csg. Size 4,500	Wt. 11.6	d 4,000	Set At 8188
Perforations: From 7828 To 7974			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7903
Perforations: From open To ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle		Packer Set At 7671	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
			% 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						2211		X	
1.	2.375		.750				182		X	
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		194	1.000	.9250	1.022	2270
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 2223		P _c ² 4941729		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0394$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0294$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		433	187489	475420	
2					
3					
4					
5					

Absolute Open Flow _____ 2337 _____ Mcfd @ 15.025		Angle of Slope ⇄ _____	Slope, n _____ .75
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Remarks: Heavy 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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