

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

RECEIVED
 NOV-1 1983

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 10-20-83	
Company Amoco Production Company			Connection Northwest Pipeline Corporation		
Pool Basin			Formation Dakota		Unit IV.
Completion Date 9-8-83		Total Depth 7417		Plug Back TD 7360	
Elevation 6704 GL		Farm or Lease Name Jicarilla Contract 146			
Csg. Size 7.000	Wt. 32	d 6.094	Set At 7417	Perforations: From 7125 To 7330	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7336	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 5410	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F Baro. Press. - P _a	
County Rio Arriba		State New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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	14 Days					1564		X		
1.	2.375	.750				154		X		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 Q, Mcfd
1	12.365		166	1.000	.9258	1.019	1936
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 1576 P _c ² 2483776				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		362	131044	2352732
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0557$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0415$

AGF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2016$

Absolute Open Flow	2016	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Light water, light oil, flared.

Approved by Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By +
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