

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 1-13-81	
Company Amoco Production Company				Connection Northwest Pipeline			
Pool Basin				Formation Dakota		Unit	
Completion Date 11-14-80		Total Depth 7520		Plug Back TD 7488		Elevation 6687	
Csg. Size 7.000		Wt. 23		Set At 6.366		Perforations: From 7280 To 7454	
Tub. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple dual						Packer Set At 7215	
Producing Thru tubing		Reservoir Temp. °F ρ		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g .70		% 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.		Temp. °F
SI	14 days						1757				
1.	2.375		.750				77				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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		89	1.000	.9258	1.010	1029
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/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.
5.					Critical Temperature	R

P _r 1769 P _c ² 3129361				
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1		193	37249	3092112
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_r^2 - P_w^2} = 1.0120$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1038$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0090$$

Absolute Open Flow	1038	Mcf/d @ 15.025	Angle of Slope	.75
Remarks:				

Approved By Commission:	Conducted By: JJB	Calculated By: J. J. Barnett	Checked By:
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