

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 2-20-84	
Company Amoco Production Company				Connection Not Dedicated			
Pool Basin				Formation Dakota		Unit	
Completion Date 12-15-83		Total Depth 7387		Plug Back TD 7308		Elevation 6705 GL	
Csg. Size 5.500		Wt. 15.5		Set At 7387		Perforations: From 7104 To 7272	
Tbg. Size 2.375		Wt. 4.7		Set At 7259		Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At 7072	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g		% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	11 days						
1.	2.375		.750				
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		107	1.000	.9258	1.013	1241
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R		
1							
2.							
3.							
4.							
5.							
P _c 2097 P _c ² 4397409					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0129$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0092$		
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1252$		
1		231	53361	4344048			
2							
3							
4							
Absolute Open Flow 1252 Mcfd @ 15.025 Angle of Slope @ _____ Slope, n .75					Remarks: Med. spray H ₂ O lite oil flared, sliding sleeve set @ 7058'.		
Approved By Commission		Conducted By J. Barnett		Calculated By J. Barnett		Checked By 	