

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		7-10-85															
Company				Amoco Production Co.				Connection				El Paso Natural Gas Co.													
Pool				Basin				Formation				Dakota													
Completion Date				7-3-85				Total Depth				6495													
Plug Back TD				6454				Elevation				6012 GR													
Farm or Lease Name				Gallegos Canyon Unit				Well No.				236E													
Ceq. Size		Wt.		d		Set At		Perforations:		From		To		Well No.											
4.500		11.6		4.000		6495		6296		6400				236E											
Thq. Size		Wt.		d		Set At		Perforations:		From		To		Unit											
2.375		4.7		1.995		6409		open		ended				L 14 28 13											
Type Well - Single - Bradenhead - G.G. or G.O. Multiple								Packer Set At				None													
Single												County				San Juan									
Producing Thru tubing				Reservoir Temp. °F				Mean Annual Temp. °F				Baro. Press. - P _g				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.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow												
SI	7 days						760		1060																
1.	2.375		.750				128		385				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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd																		
1	12.365		140	1.000	.9258	1.016	1628																		
2.																									
3.																									
4.																									
5.																									
NO.	P _t	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 Separator Liquid _____ XXXXXX																				
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.																				
5.					Critical Temperature _____ R _____ R																				
P _c 1072 P _c ² 1149184					(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.1589$			(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.1170$																	
NO.	P _t ²	P _w	P _w ²	P _e ² - P _w ²	AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1818$																				
1		397	157609	991575																					
2																									
3																									
4																									
5																									
Absolute Open Flow 1818 Mcfd @ 15.025					Angle of Slope θ _____			Slope, n .75																	
Remarks: Flared, Lite condensate, Med H2O																									
Approved By Division _____ Conducted By: _____ Calculated By: _____ Checked By: R																									