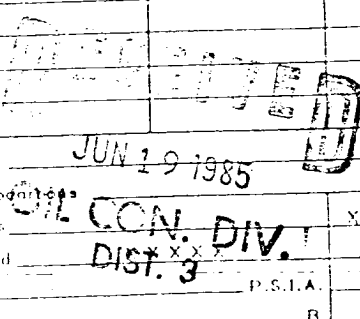


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP.O. BOX 2088
SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		5-29-85		Flac	
Company				Connection				842738-01-5					
Amoco Production Co.				El Paso Natural Gas Company									
Pool				Formation				Unit					
Basin				Dakota									
Completion Date		Total Depth		Plug Back TD		Elevation		Form or Lease Name		Gallegos Canyon Unit			
3-18-85		6399		6354		5979GR							
Coq. Size	Wt.	d	Set At	Perforations:				Well No.		90E			
7.000	23	d	6.366	6399	From	6136	To	6236	Unit	Sec.	Twp.	Rye.	
Fig. Size	Wt.	d	Set At	Perforations:				Unit		Sec.	Twp.	Rye.	
2.375	4.7	d	1.995	6260	From	open	To	ended	P	35	28	13	
Type Well - Single - Broadhead - G.C. or G.O. Multiple								Packer Set At		County			
Single								None		San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Buro. Press. - P _g		State		New Mexico			
tubing		F		Gg		% CO ₂		% N ₂		% H ₂ S		Prover	
L		H		Gg		% CO ₂		% N ₂		% H ₂ S		Prover	
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	8 days						1719		1720				
1.	2.875	.250					1421		1444				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 _{pr}	Rate of Flow Q, Mc/d						
1	1.3309		1433	1.000	.9258	1.1180	1780						
2.													
3.													
4.													
5.													
NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		Mcf/Std.						
1					A.P.I. Gravity of Liquid Hydrocarbon		Deg.						
2.					Specific Gravity Separator Gas		XXXXXXX						
3.					Specific Gravity Flowing Fluid		XXXXXXX						
4.					Critical Pressure		P.S.I.A.						
5.					Critical Temperature		°R						
P _c 1732 P _c ² 2999824													
NO.	P _c	P _w	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.4093$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5090$						
1		1456	2119936	879888									
2.													
3.													
4.													
5.													
Absolute Open Flow 4466					Slope of Line 75								
Remarks: flared, live condensate, lite H2O													
Approved By Division			Conducted By: Joe Elledge			Calculated By: J.J. Barnett		Checked By: &					