

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-22-85	
Company Amoco Production Co.			Connection El Paso Natural Gas		
Pool Basin			Formation Dakota		
Completion Date 8-15-85		Total Depth 6410		Plug Back TD 6364	
Elevation 5678		Farm or Lease Name Gallegos Canyon Unit			
Coq. Size 7.000	Wt. 23	d d	Set At 6410	Perforations: From 6166 To 6300	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6314	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _g		County San Juan			
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	
SI	7 Days						1341		1438		
1.	2.875		0.750				269		651		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		281	1.000	.9258	1.032	3320
2.							
3.							
4.							
5.							

NO.	P _g	Temp. °R	T _g	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 Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_c 1450		P_c^2 2102500				
NO	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.2643}{}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1923}{}$
1		663	439569	1662931		
2						
3						
4						
5						

$\Delta OI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{3959}{}$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3959$$

Absolute Open Flow 3959 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division _____ Conducted By: _____ Calculated By: _____ Checked By: 3