

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 7-22-85	
Company Amoco Production Co.				Connection El Paso Natural Gas Co.	
Pool Basin				Formation Dakota	
Completion Date 7-6-85		Total Depth 6178		Plug Back TD 6275	
				Elevation 5700 GR	
Farm or Lease Name Gallegos Canyon Unit					
Csg. Size 4.500		Wt. 11.6		Set At 4.000	
Perforations: From 6008		To 6154		Well No. 240E	
Thq. Size 2.375		Wt. 4.7		Set At 1.995	
Perforations: From open		To ended		Unit Sec. Twp. Rge. C 24 28 13	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing				County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% 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.	
SI	5 days						1452		1452	
1.	2.375		.750				132		978	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		144	1.000	.9258	1.016	1675
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

$P_c = 1464$ $P_c^2 = 2143296$				
NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		990	980100	1163196
2				
3				
4				
5				

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8426$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5815$
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2649$	

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: _____ would not flare, Lite oil, X heavt H2O

Approved By Division	Conducted By:	Calculated By:	Checked By: 93
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