

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 12/7/84		JAN 28 1985	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.		OIL CON. DIV.	
Pool Basin		Formation Dakota		Unit DIST. 3	
Completion Date 10-30-84		Total Depth 6331		Plug Back TD 6230	
Elevation 5794 GR		Farm or Lease Name Gallegos Canyon Unit		Well No. 83E	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6331	Perforations: From 6084 To 6188	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6189	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		State New Mexico		County San Juan	
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	21 Days						704		855		
1.	2.875		.750				24		366		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		36	1.000	.9258	1.004	412
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_c 867		P_c^2 751689				
NO	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2347$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1713$
1		378	142884	608805		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 483$

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Absolute Open Flow 483 Mcfd @ 15.025 Angle of Slope 75 Slope, n 75

Remarks: flared, med. oil, H2O

Approved By Division	Conducted By 1 1 Barnett	Calculated By 1 1 Barnett	Checked By L
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