

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

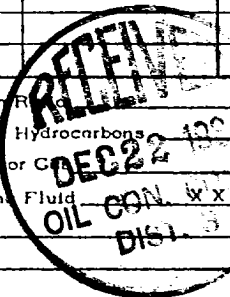
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 12-11-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 11-20-81		Total Depth 6179		Plug Back TD 6154		Elevation 5593 GL	
Farm or Lease Name Gallegos Canyon Unit		Well No. 168E					
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6179	Perforations: From 6005 To 6124		Unit Sec. Twp. Rge. C 19 28N 11W	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 6120	Perforations: From open To ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F θ		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.	Temp. °F	
SI	10 Days						1134		1160		
1.	2.375		.750				384		848		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		396	1.000	.9258	1.048	4751
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 1172	P _c ² 1373584	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.166$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7856$
NO. 1	P _w 860	P _w ² 739600	P _c ² - P _w ² 633984
2			
3			
4			
5			

$AOI^* = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8484$

Absolute Open Flow	8484	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

Approved by Commission:	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: 43
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