

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 2-27-70	
Company Pan American Petroleum Corp.				Connection None		
Pool Basin				Formation Dakota		
Completion Date 2-18-70		Total Depth 8160'		Plug Back TD 8157'		Elevation 6510RDS 6504 GL
Farm or Lease Name Thelma E. McManus				Well No. 1		
Csg. Size 4.5	Wt. 10.5	d 4.052	Set At 8160'	Perforations: From 8150' To 7992'		Unit 1
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7897'	Perforations: From Open End To		Unit Sec. Twp. Rge. D 33 31 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 7892'		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. *F 90° @ T.D.		Mean Annual Temp. *F Est. 60°		Baro. Press. - P _a 12 PSIA Est.
State New Mexico						
L 8071	H 8071	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	Choke Size	Press. p.s.i.g.	Diff. h _w	Temp. *F	Press. p.s.i.g.	Temp. *F	
SI	9 days					2717	1695	
1.	2"	.750	193			193	60°	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	12.3650		205	1.090	.9258	1.023	2401
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	Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Gas	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	42025	459	210698	1.0291	1.0217
2					
3					
4					
5					

Absolute Open Flow 2453 Mcfd @ 15.025		Angle of Slope θ		Slope, n .75
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Remarks: _____

Original Signed By: **G. W. EATON, JR.**

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: G. W. Eaton, Jr.	Checked By: J. J. Layton
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