

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 9-25-70	
Company PAN AMERICAN PETROLEUM CORP.				Connection None		
Pool Basin				Formation Dakota		Unit
Completion Date 9-11-70		Total Depth 7456		Plug Back TD 7363	Elevation /RDB QL 6620/6634	Farm or Lease Name Jicarilla Contract 146
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7456	Perforations: From 7082 To 7268		Well No. 21
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7030	Perforations: From Open End To 7030		Unit K Sec. 3 Twp. 25 Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G.				Packer Set At 7030		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.
State New Mexico						
L 7175	H 7175	Gg .700	% 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	14 Days						2485				
1.	2 Inch	.750		123			123	60° Est.			3 Hr.
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	12.3650		135	1.000	.9258	1.015	1569
2.							
3.							
4.							
5.							

NO.	P _t	Temp. OCT 7 1970	RECEIVED OIL CON. COM. DIST. 3				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 2497	P _c ² 6,235,009	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0136$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0102$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1	18,225	289	83,503	6,151,506	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1585$		
Absolute Open Flow 1585 Mcfd @ 15.025		Angle of Slope ϕ _____ Slope, n .75

Remarks: Pw calculated same as on Form C-122-A - (1 - e⁻⁰) = 0.301	
Approved By Commission: OCT 7 1970	Conducted By: B. D. Dukes
Calculated By: J. J. Layton	Checked By: D. A. Wayhan