NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9-29-70	
Company: PAN AMERICAN PETROLEUM CORP.		Connection: None			
Pool: Basin		Formation: Dakota		Unit	
Completion Date: 9-18-70	Total Depth: 7446	Plug Back TD: 7411	Elevation: / RDB GL 6672/6686	Farm or Lease Name: Jicarilla Contract 146	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 7446		Perforations: From 7150 To 7340		Well No.: 22	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7056		Perforations: From Open End To 7056		Unit: A / Sec.: 10 / Twp.: 25 / Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas-Gas		Packer Set At: 7056		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	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7245	7245	.700						

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI	11 Days					2445				
1.	2 Inch	.750	185			185	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		197	1.000	.9258	1.022	2305
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r
1			
2.			
3.			
4.			
5.			

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DIST. 3

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2457 P_c^2 6,036,849

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	38809	425	180,651	5856198
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0308$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0230$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2358$

Absolute Open Flow 2358 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Pw calculated same as on Form C-122-A - $(1 - e^{-s}) = 0.302$

ORIGINAL SIGNED BY
D. A. WAYHAN

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	B. D. Dukes	J. J. Layton	D. A. Wayhan