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: 8-21-69	
Company: PAN AMERICAN PETROLEUM CORP.			Connection: None		
Pool: Ballard			Formation: Pictured Cliffs		Unit
Completion Date: 8-14-69	Total Depth: 2900		Plug Back TD: 2840	Elevation: RKB GL 7314/7325	Farm or Lease Name: Jicarilla Tribal 358
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 2877			Perforations: From 2746 To 2781		Well No.: 1
Tbg. Size: 1.250 / Wt.: 2.4 / d: 1.380 / Set At: 2756			Perforations: From Open End To		Unit: M / Sec.: 6 / Twp.: 22 / Rge.: 2
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Sandoval
Producing Thru: Casing	Reservoir Temp. °F: 90° @ TD	Mean Annual Temp. °F: Est. 60°	Baro. Press. – P_a: 12 psia est.		State: New Mexico
L: 2764	H: 2764	Gg: .650 est.	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

NO.	FLOW DATA: Line Size	X	Orifice Size: Choke	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 Days						734		734		
1.	2 Inch		.750	362			421		362	60° F. (est.)	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	12.3650		374	1.000	0.9608	1.038	4612
2							
3							
4							
5							

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

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 746 P_c^2 556,516

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		433	187,489	369,027
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{556,516}{369,027}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4179$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6539$

Absolute Open Flow 6541 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Orginal Signed By: G. W. EATON, JR.

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