NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
FEB 25 1970
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 2-18-70	
Company: PAN AMERICAN PETROLEUM CORP.			Connection: None		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 2-11-70	Total Depth: 7675		Plug Back TD: 6185	Elevation: / RDB GL 7177/ 7192	Farm or Lease Name: Jicarilla Apache 102
Csg. Size: 4.5 / Wt.: 10.5 / d: 4.052 / Set At: 7675			Perforations: From 5644 To 6074		Well No.: 15
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6076			Perforations: From Open End		Unit: P / Sec.: 9 / Twp.: 26 / Rge.: 4
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ TD		Mean Annual Temp. °F: Est. 60°	Baro. Press. – P_a: 12 PSIA Est.	State: New Mexico
L: 5859	H: 5859	Gg: .650	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Line Size	X Choke	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	7 Days					1125		1125		
1.	2 Inch	.750	173			173	60° Est.	633		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		185	1.000	.9608	1.021	2244
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 1137 P_c^2 1,292,769

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		645	416,025	876,744
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4745$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3381$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3003$

Absolute Open Flow 3003 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

LRC

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