NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 12-65

RECEIVED
AUG 23 1968
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-8-68	
Company: Pan American Petroleum Corp.			Connection: None		
Pool: Blanco			Formation: Pictured Cliffs		Unit
Completion Date: 8-1-68	Total Depth: 2515		Plug Back TD: 2472	Elevation: GL 5773/5784	Farm or Lease Name: Heath Gas Com "L"
Csg. Size: 4.5 / Wt.: 9.5 / d: 4.090 / Set At: 2511			Perforations: From 2406 To 2421		Well No.: 1
Tbg. Size: 1.5 / Wt.: 2.9 / d: 1.610 / Set At: 2354			Perforations: From 2354 To Open Ended		Unit: A / Sec.: 32 / Twp.: 30 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
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: 2413 / H: 2413	Gg: .650 est.	% CO_2	% N_2	% H_2S	Prover / Meter Run / Taps

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	7 Days	Choke				841		841		
1.	2 Inch	.750	116			133	60° est.	116	60° 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		128	1.0000	0.9608	1.011	1538
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 _____ XXXXXXXXXX

Specific Gravity Flowing Fluid XXXXX _____

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

P_c 853 P_c^2 727,609

NO	P_t^2	P_w	R_w^2	$P_c^2 - P_w^2$
1		145	21025	706584
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{727,609}{706,584}$ (2) $\left[\frac{P_c^2}{P_c^2 - R_w^2}\right]^n = 1.0252$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2}\right]^n = 1577$

Absolute Open Flow 1577 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		