NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JAN 19 1968
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1-11-68	
Company: PAN AMERICAN PETROLEUM CORP.		Connection: None			
Pool: Blanco		Formation: Pictured Cliffs		Unit	
Completion Date: 1-4-68	Total Depth: 2494	Plug Back TD: 2459	Elevation: GL 5725/ 5735 /KDB	Farm or Lease Name: Likins Gas Com "A"	
Csg. Size: 4-1/2" / Wt.: 10.5 / d: 4.052 / Set At: 2494		Perforations: From 2400 To 2418		Well No.: 4	
Tbg. Size: 2-3/8" / Wt.: 4.7 / d: 1.995 / Set At: 2405		Perforations: From Open End To		Unit: L / Sec.: 34 / Twp.: 30 / Rge.: 9	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ T.D.	Mean Annual Temp. °F: Est. 60°	Baro. Press. – P_a: 12 PSIA (est.)	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2409	2409	.650 est.						

FLOW DATA

NO.	Line Size	X	Orifice Size	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								511		
1.	2"		.750	213			213	60° est.	220	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		225	1.000	0.9608	1.022	2732
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 523 P_c^2 273,529

NO	P_w	P_w^2	$P_c^2 - P_w^2$
1	232	53,824	219,705
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{273,529}{219,705}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2047$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3291$

Absolute Open Flow 3291 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	B. D. Dukes		E. R. Hirst