NEW M ICO OIL CONSERVATION COMMSSIOI

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: 12-26-68		
Company: American Trading and Production Corporation		Connection: Llano, Inc.			
Pool: Undesignated (Morrow)		Formation: Morrow		Unit: L	
Completion Date: 12-23-68	Total Depth: 14,643'	Plug Back TD: 14,250'	Elevation: 3709' KB	Farm or Lease Name: Southeast Lea Unit	
Csg. Size: See Remarks / Wt. / d / Set At		Perforations: From 12,856' To 13,082'		Well No.: 2	
Tbg. Size: 2 3/8" / Wt.: 4.7# / d: 1.995 / Set At: 12,720'		Perforations: From To		Unit: L / Sec.: 25 / Twp.: 20S / Rge.: 35E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. (2 strings 2 3/8" tubing)		Packer Set At: 11,325' and 12,720'		County: Lea	
Producing Thru: 2 3/8"	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	

L	H	Gg	% 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										
1.										
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							
2							
3							
4							
5							

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

Gas Liquid Hydrocarbon Ratio 75,275 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 51.0 Deg.
Specific Gravity Separator Gas .680 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure ____ P.S.I.A. ____ P.S.I.A.
Critical Temperature ____ R ____ R

P_c ____ P_c^2 ____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 134 MCF/D (Capacity)

Absolute Open Flow 134 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n ____

Remarks: 7-5/8", 33.7#, 6.875" ID, set @ 11,980'; 5-1/2" liner, 20#, 4.778" ID set from 11,840'-14,565' - Capacity Test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	APEX ENGR.		