

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type of Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-14-71	
Company American Oil & Gas		Connection 1"	
Pool Pecos		Formation Laramie	
Completion Date 12-5-71		Total Depth 6507	
Perforations From 6270 To 6332		Elevation 5700	
Well No. 1		Farm or Lease Name Pecos	
Unit F 13		Sec. Twp. Rge. 30 11 14W	
Type Well - Single - Bridghead - G.G. or G.O. Multiple Single		Packer Set At 6376	
Producing Thru 12-5-71		Baro. Press. - P _a 13.5	
Reservoir Temp. °F 115		Mean Annual Temp. °F 63	
State New Mexico		County San Juan	
G _g 13.5		% CO ₂ 0	
% N ₂ 0		% H ₂ S 0	
Prover 1		Meter Run 1	
Taps 1			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
1	3/4"	3.0	2.2	47			1127	1127		
2										
3										
4										
5										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.325		74	1.013	.9837	1.000	912
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{1.2672}{1.2672 - 1.090} = 1.1957$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1957$ AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1090$
1	1952	3210	3808304	1026400	2781904	
2						
3						
4						

Absolute Open Flow 1090 Mcfd @ 15.025		Angle of Slope θ .75	
Remarks: <i>High Spec. Gas</i>			
Approved By Commission		Conducted By: <i>Jacob</i>	
		Calculated By: <i>Jacob</i>	
		Checked By:	