NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

OCT 23 1967
OIL CON. COM.
DIST. 3

Type Test: ☐ Initial ☐ Annual ☒ Special			Test Date: 9/4/67	
Company: Pubco Petroleum Corporation	Connection: --			
Pool: Blanco Mesaverde	Formation: Mesaverde		Unit: --	
Completion Date: 8/19/67	Total Depth: 5500	Plug Back TD: 5465	Elevation: 6312 DF	Farm or Lease Name: State Com. "F"
Csg. Size: 4-1/2 / Wt.: 10.5 / d: 4.052 / Set At: 5499		Perforations: From 5130 To 5434		Well No.: 1-X
Tbg. Size: 2-3/8 / Wt.: 4.7 / d: 1.995 / Set At: 5432		Perforations: From Open-Ended To		Unit: N / Sec.: 36 / Twp.: 32N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: --		County: San Juan
Producing Thru: Tubing	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						617		731		
1.	3/4"	choke				278		626		1
2.	"	"				271		601		2
3.	"	"				261		598	82°	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	12.365		273	.9795	1.000	1.023	3382
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 743 P_c^2 552,049

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		610	372,100	179,949
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0678$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.320$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7846$

Absolute Open Flow 7846 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Glen O. Rhodes	Donald C. Walker	Donald C. Walker