NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JAN 1 1973
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12/19/72	
Company: Pubco Petroleum Corporation		Connection: El Paso Natural Gas			
Pool: Otero Chacra		Formation: Chacra		Unit: P	
Completion Date: 11/27/72	Total Depth: 3850'		Plug Back TD: 3816'	Elevation: 6444' GL	Farm or Lease Name: Buttram Federal
Csg. Size: 3-1/2" / Wt.: 9.2# / d: 2.992 / Set At: 3846			Perforations: From 3518 To 3622		Well No.: 5
Tbg. Size: 1-1/4" / Wt.: 2.3 / d: 1.380 / Set At: 3566'			Perforations: From To		Unit: P / Sec.: 19 / Twp.: 26N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.00		State: New Mexico
L	H	Gg: 0.6	% 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					855		855		7 days
1.	1.995 x 0.75				340		124	60	1 hr.
2.	1.995 x 0.75				301		111	59	2 hrs.
3.	1.995 x 0.75				278		93	58	3 hrs.
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	9.604		105	1.002	1.291	1.013	1321
4			1008.42	1010.44	1304.47	1321.43	
5							

NO.	P_t	Temp. °R	T_t	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 867 P_c^2 751,689

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		290	84,100	667,589
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1259$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1062$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1461$

Absolute Open Flow 1461 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R. J. Flaker	J. C. Johnson	

J. C. Johnson, Vice President Production