NEW MEXICO OIL CONSERVATION COMMSSION

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: 9-24-80	
Company: Consolidated Oil & Gas, Inc.		Connection:			
Pool:		Formation: Mesa Verde		Unit:	
Completion Date	Total Depth: 6826		Plug Back TD: 6809	Elevation: 5699GL	Farm or Lease Name: Kline
Csg. Size: 5½ / Wt.: 15½# / d ID: 4.950 / Set At: 6831			Perforations: From 4388 To 4500		Well No.: 1-M
Tbg. Size: 1.660 / Wt.: 2.40# / d ID: 1.610 / Set At: 4391			Perforations: From To		Unit: C I / Sec.: 10 / Twp.: 31N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual			Packer Set At: 4700'		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	10 days				1125		1121		
1.	2" X 3/4"				83	60	442		3 hours
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	11.00		95	1.000	1.240	1.000	1296
2.							
3.							
4.							
5.							

NO.	P_t	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 1137 P_c^2 1292.8

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		456	207.9	1084.9
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1916$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1404$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1478$

Absolute Open Flow 1478 Mcfd @ 15.025 Angle of Slope θ 53.13 Slope, n .75

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Lynn Alexander	Neil Tefteller	