

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

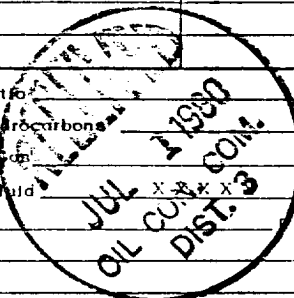
Form C-122
Revised 6-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 6-21-80		
Company Coleman Oil & Gas, Inc.			Connection EPNG		
Pool Basin			Formation Dakota		
Completion Date 6-13-80		Total Depth 5870	Plug Back TD 5850	Elevation 6429 GL	Farm or Lease Name Canyon
Coq. Size 4.500	Wt. 11.60#	d 4.000	Set At 58	Perforations: From 5830 To 5835	Well No. 10
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5832	Perforations: From To	Unit Sec. Twp. Rge. A 22 25 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		County San Juan
Producing Thru Tbg.		Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12	State New Mexico
L	H	G _g 0.670	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run	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.	2"		0.75				1557		1606	
2.							55		237	59
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		67	1.001	0.9463	1.009	792
2							
3							
4							
5							

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



NO.	P _e ²	P _w	P _w ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.0243$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.0181$
1	4489	249	62001	2555923		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 806$

Absolute Crp. Flow: 806 Mcfd @ 15.025 Angle of Slope: Slope, n: 0.75

Remarks: The well was slugging condensate for the last hour of the test.

Approved By Commission: Conducted By: H. E. McAnally Calculated By: H. E. McAnally Checked By: