

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		8-22-84					
Company				Consolidated Oil & Gas, Inc.				Connection				Gas Co. of New Mexico			
Pool				Basin Dakota				Formation				Dakota			
Completion Date				8-1-84				Total Depth				6765			
Plug Back TD				6721				Elevation				6106 GL			
Farm or Lease Name				Candado				Well No.				1-E			
Csg. Size		5 1/2		Wt.		15.5#		d		4.950		Set At		6765	
Perforations:		From		6596		To		6714		Unit		J		15	
Perforations:		From				To				Twp.		26		Rge.	
Perforations:		From				To				Sec.		15		26	
Perforations:		From				To				Rge.		7			
Type Well - Single - Brdenhead - G.C. or G.O. Multiple								Packer Set At				County			
Single												Rio Arriba			
Producing Thru Tubing				Reservoir Temp. °F				Mean Annual Temp. °F				Baro. Press. - P _a			
												12.0			
State				New Mexico				Prover				Meter Run			
L				H				G _g				% CO ₂			
												% N ₂			
												% H ₂ S			
												Prover			
												Meter Run			
												Taps			

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.	Temp. °F	
1	7 days						2100		2015		
1.	2 x 3/4						61	60	441		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 F _g	Super Compress. Factor, F _{pr}	Rate of Flow O, Mcfd
1	11.00		73	1.000	1.240	1.000	996
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.
5.					Critical Temperature	R

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	453	205209	4255335	1.0482	1.0359
2.					
3.					
4.					
5.					

Absolute Open Flow			Mcf @ 15.025	Angle of Slope @	Slope, n
1032					.75

Remarks:			

Approved By Division	Conducted By	Calculated By:	Checked By:
	Rick Baird	Neil Tefteller	