

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-5-85		MAR 14 1985	
Company Consolidated Oil & Gas, Inc.				Connection Northwest Pipeline Corp.			
Pool Basin Dakota				Formation Dakota			
Completion Date 12-27-84		Total Depth 8310'		Plug Back TD 8258'FC, 8240'CO		Elevation 7118'GR	
Csg. Size 5.500		Wt. 15.5#		Set At 8307'		Perforations: From 8042' To 8220'	
Tsg. Size 1.900		Wt. 2.76#		Set At 8125'		Perforations: From To	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual Gas				Facker Set At 7720'		Form or Lease Name TRIBAL C	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Cg		State NM	
				% 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	
SI	22 days						1454		Pkr		
1.	2" x 3/4"						44		Pkr		3 hrs
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 _{pv}	Rate of Flow Q, Mcfd
1	9.453		56	1.016	1.240	1.000	667
2.							
3.							
4.							
5.							

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

NO.	P _t	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0197$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0147$
1				41588	2107568			
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 679$			
Absolute Open Flow _____ 679 _____ Mcfd @ 15.025		Angle of Slope @ _____ Slope, n .75	
Remarks: _____			
Approved By Division		Conducted By: R. Housh	
		Calculated By: N. Tefteller	
		Checked By: br	