

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2688

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAR 06 1985
OIL CON. DIV.
DIST. 3

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		2-18-85	
Company				Connection							
Consolidated Oil & Gas, Inc.				Northwest Pipeline Corp.							
Pool				Formation				Unit			
Wildhorse Gallup				Gallup							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
9-2-84		8310'		8240' (CO)		7118' GR		TRIBAL C			
Csq. Size	Wt.	d	Set At	Perforations:				Well No.			
5-1/2"	15.5#	4.950	8307'	From 7198' To 7648'				6E			
Tq. Size	Wt.	d	Set At	Perforations:				Unit Soc. Twp. Rye.			
2-1/16"	3.25#	1.751	7696'	From To				M 5 26N 3W			
Type Well - Single - Brodenhead - G.G. or G.O. Multiple						Packer Set At		County			
Dual Gas						7720'		Rio Arriba			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Casing								New Mexico			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Tops			
		.650est				CFP					

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	2-11-85 (7days)						Rods &		1469		
1.	2x3/4 CFP						pump		128		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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.453		95	.9877	1.240	1.000	1100
2.							
3.							
4.							
5.							

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

NO.	P _f	P _w	P _w ²	P _c ² - P _w ²
1	1481	2103361		
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0132$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0098$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1111$

Absolute Open Flow 1111 Mcfd @ 15.025 Angle of Slope 0 Slope, n

Remarks:

Approved By Division Conducted By: Calculated By: Checked By: br