

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-2-84	
Company Consolidated Oil & Gas, Inc. Northwest Pipeline Corp.		Connection Dakota	
Pool Basin Dakota		Unit Dakota	
Completion Date 9-12-84	Total Depth 8145'	Plug Back TD 8104' (FC)	Elevation 6952' GR
Form or Lease Name TRIBAL C		Well No. 12E	
Csq. Size 5-1/2"	Wt. 15.5#	d 4.950	Set At 8145'
Perforations: From 7841' To 8030'		Well No. 12E	
Tbg. Size 1-1/2"	Wt. 2.9#	d 1.610	Set At 8004'
Perforations: From To		Unit Sec. Twp. Rge. M 8 26N 3W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At -	
County Rio Arriba		State New Mexico	
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _g
L	H	G _g .650est	% CO ₂ % N ₂ % H ₂ S
Prover 6"pos ck		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.	
SI	11 day SI						1190		1616	
1.	2x6x3/4"pos ck						54	60°	616	
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	11.0		66	1.000	1.240	1.000	900
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1616	P _c ² 2611456	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1779$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1304$
NO.	P _t ²	P _w	R _w ²
1		628	394384
2			
3			
4			
5			

Absolute Open Flow 1017 Mcfd @ 15.025		Angle of Slope @ 53.13	Slope, n .75
Remarks:			

Approved By Division	Conducted By: R. Baird	Calculated By: N. Tefteller	Checked By:
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