

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-8-75	
Company Northwest Pipeline Corp.				Connection New Completion		
Pool Blanco				Formation Mesa Verde		Unit San Juan 30-5
Completion Date 12-1-75		Total Depth 6174'		Plug Back TD 6128'		Elevation 6723 GR
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6161'	Perforations: From 5626' To 6074'		Well No. 54
Tub. Size 2.375	Wt. 4.7	a 1.995	Set At 6013'	Perforations: From To		Unit Soc. Twp. Rge. L 28 30 5
Type Well - Single - Gradeneed - G.O. or G.O. Multiple Gas Single					Packer Set At none	
Producing thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0		State New Mexico
L	H	Gg .595	% CO ₂	% N ₂	% H ₂ S	Prover 3/4 positive choke
Meter Run		Taps				

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	p.s.i.g.	Diff. -	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	SIP						324		1114		7 day SIP
1.	2	x .750		157		59			510		8 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Pressure	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mhd	
1	12.365	169	1.001	1.004	1.013	2127	
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	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. _____ P.S.I.A.
5.			Critical Temperature _____ R _____ R

P _c 1126	P _w 126876	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1267876}{995392}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1990$
NO.	P _w	P _c	P _c ² - P _w ²
1	522	272484	995392
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2550$

Absolute Open Flow	2550	Mhd @ 15.025	Angle of Slope @	Slope, n .75
Remarks: Tubing blew dead within 3 minutes. Made solid stream of water for six minutes then cleared to medium mist for remainder of test.				

Approved By Commission:	Conducted By: Larry G. Moore	Calculated By: R.E. Fielder	Checked By: <i>DEF</i>
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