

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

Form C-722
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7/3/74	
Company Northwest Pipeline Corp.				Connection El Paso Natural Gas Company		
Pool Blanco, New Mexico				Formation Mesa Verde		Unit San Juan 29-6
Completion Date 6/18/74		Total Depth 5729		Plug Back TD 5685		Elevation 6405'
Csg. Size 4 1/2"		Wt. 10.5		d 4.052		Set At 5729'
Perforations: From 5110 To 5648		Well No. 6 (OWWO)				
Tub. Size 2		Wt. 4.7		d 1.995		Set At 5428
Perforations: From To		Unit Sec. Twp. Rge. k 21 29 6				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru 178g.		Reservoir Temp. °F #		Mean Annual Temp. °F 50		Baro. Press. - P _a 12
State New Mexico						
L	H	Gg 0.655	% CO ₂ ----	% N ₂ ----	% H ₂ S ----	Prover 3/4" choke
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	---		---	---	---	---	796		797		7 days
2							219	73°	596		3 hours
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	12.365		231	.9877	.9571	1.021	2,757
2							
3							
4							
5							

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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{654,481}{284,817}$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8664$
1						
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5,146$

Absolute Open Flow	5,146	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Well produced small amount of H₂O and Dist.

Approved By Commission:	Conducted By: Bobby Broughton	Calculated By: Bobby Broughton	Checked By: <i>R. E. Filder</i>
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