

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9/21/84		OCT 03 1984	
Company Northwest Pipeline Corporation					Connection New Completion		OIL CON. DIV.	
Pool Basin					Formation Dakota		Unit San Juan 30-5	
Completion Date 9/6/84		Total Depth 8293'		Plug Back TD 8275'		Elevation 6870' KB		Farm or Lease Name San Juan 30-5 Unit
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 8293'	Perforations: From 6876' To 7838'		Well No. #102 Comg.		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8175'	Perforations: From To		Unit K	Sec. 34	Twp. 30
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Single					Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico
L	H	Gg Est. .590	% CO ₂	% N ₂	% H ₂ S	Positive 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	
SI	SIP						2368		2250		
1.	2"	X	.750"			70 ⁰	143	70 ⁰	572	70 ⁰	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		155	.991	1.302	1.012	1944
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 _____ 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 2380	P _c ² 5664400	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0641$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0477$
NO.	P _c ²	P _w	P _w ²
1		584	341056
2			
3			
4			
5			

Absolute Open Flow 713 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 75
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Remarks: Produced light mist throughout test. Vented 130 MCF.
Downhole Comminged - Phillips applying; based on DK - 35% = 713 MCF
Gal - 65% = 1324 MCF

Approved By Commission:	Conducted By: Gip Aulbert	Calculated By: M.J. Turnbaugh	Checked By:
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SKI