

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

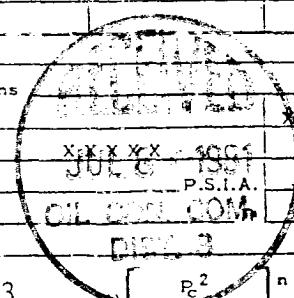
Form C-122
Revised 9-1-65

Type Test		☒ Initial ☐ Annual ☐ Special		Test Date 6-17-81	
Company Northwest Pipeline Corporation			Connection New Completion		
Pool Basin		Formation Dakota		Unit San Juan 32-8	
Completion Date 5-07-81		Total Depth 8169'		Plug Back TD 8130'	
				Elevation 6583'	
				Farm or Lease Name San Juan 32-8 Unit	
Csg. Size 5.500	Wt. 17. #	d 4.892	Set At 8169'	Perforations: From 7890' To 8106'	
Tqg. Size 1.900	Wt. 2.9 #	d 1.610	Set At 7933'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion			Packer Set At 6148 KB		Well No. #12A DK
Producing Thru Tubing		Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12.0	
				State New Mexico	
L	H	G _g est. .60	% 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
1	2"	X	.750	87		61°	1922	87			SIP
2											3 hrs.
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	9.604		99	.999	1.291	1.007	1235
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>X X X X X X X X</td>	X X X X X X X X
3					Specific Gravity Flowing Fluid <td>X X X X X - 1001</td>	X X X X X - 1001
4					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>°F</td>	°F



P _c 1934	P _c ² 3740356	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0363$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0271$
NO. 1	P _w ² 362	P _w ² 131044	P _c ² - P _w ² 3609312
2	(calc.)		
3			
4			
5			

Absolute Open Flow 1268		Mcf @ 15.025	Angle of Slope °	Slope, n .75
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Remarks: Produced medium mist of water throughout test. Vented 181 MCF/D.				
G _l 4760	1-e-s .293	F _c Q ² 413232	R ² 121077	P _t ² 9801
				P _t ² + R ² 130878
				Calc. P _w 362

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By: <i>BJB</i>
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