

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 12/20/82	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool South Los Pinos		Formation Pictured Cliffs	
Completion Date 11-27-82		Total Depth 6250'	Plug Back TD 3820'
		Elevation 6750'	Farm or Lease Name San Juan 32-7 Unit
7.000 4.500	Wt. 23.0 10.5	d 6.366 4.052	Set At 4030' 3863'-6248'
Perforations: From 3558'	To 3760'		Well No. #46 PC
1.660	Wt. 2.33	d 1.380	Set At 3694'
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion		Packer Set At 3820'	County San Juan
Producing Thru Tubing	Reservoir Temp. °F A	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
L	H	G _g est. .680	% 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	Shut-in Pressure										
1.	2"	X	.750"	270		52 ⁰	1448	270	1448	1256	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		282	1.008	1.213	1.034	3424
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 1560	P _c ² 2433600	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.947$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5060$
NO. 1	P _r ² 1268	P _w ² 1607824	P _c ² - P _w ² 825776
2			
3			
4			
5			

Absolute Open Flow 8581		Mcf/d @ 15.025	Angle of Slope °	Slope, n .85
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Remarks: Produced medium mist of water with a trace of condensate. Vented 428 MCF.

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: R. J. Broughton	Checked By: RJR
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