

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

Form C-122
Revised 9-1-65

RECEIVED
FEB 01 1984
OIL CON. DIST. 3 DIV

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10/07/83	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Unit San Juan 30-5		Form or Lease Name San Juan 30-5 Unit	
Completion Date 9/11/83	Total Depth 7980'	Plug Back TD 7950'	Elevation 6581' KB
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 7972'
Perforations: From 7848' To 7894'		Well No. #92	
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7825'
Perforations: From To		Unit Sec. Twp. Rge. K 26 30 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	
County Rio Arriba		State New Mexico	
Producing Thru Tubing	Reservoir Temp. °F #	Mech Annual Temp. °F	Baro. Press. - P _a 12.0
L	H	Gg Est. .580	% 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.	SIP						2770		2770		
1.	2"	X	.750"			69	110	69	505	69	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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		122	.992	1.313	1.009	1540
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 2782	P _c ² 7739524	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0358$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0267$
NO 1	P _w ² 517	P _w ² 267289	P _c ² - P _w ² 7472235
2			
3			
4			
5			

Absolute Open Flow 1581		Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Produced light mist throughout test. Vented 251 MCF.

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