

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 12/23/77									
Company Northwest Pipeline Corp.					Connection New Completion				
Pool Gavilan					Formation Pictured Cliffs				
Completion Date 12/7/77		Total Depth 4118		Plug Back To 4093		Perforations 7117 GR.		Farm or Lease Name Icarilla 93	
Csg. Size 2.875	Wt. 6.4	d 2441	Set At 4093	Perforations: From 3888 To 3946		Well No. #7			
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit E	Sec. 32	Twp. 27	Rye. 3
Type Well - Single - Bradenhead - G.G. or G.O. Multiple					Packer Set At None		County Rio Arriba		
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg .680	% CO ₂	% N ₂	% H ₂ S	Prover 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI									918		SIP
1.	2" x	.750		74		56°			74		
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 G _f	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		86	1.004	1.213	1.009	1015
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon _____ 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 930	P _c ² 864900	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0153$	$\frac{P_c^2}{P_c^2 - P_w^2} = 1.0130$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		114	12996	851904
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1028$

Absolute Open Flow 1028 Mcfd @ 15.005 Angle of Slope θ _____ Slope n .85

Remarks: Light mist through out flow.

GI.	1-e-s	FcQ ²	R ²	Pt ²	Pt ² +R ²	PW
2644	.75	31745	5555	7396	12951	114

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: Fred S. Hamrick	Checked By:
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