NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

NWP WELL FILE

Type Test: ☐ Initial ☐ Annual ☒ Special		Test Date: 9-10-81	
Company: Northwest Pipeline Corporation	Connection: New Completion		
Pool: Choza Mesa	Formation: Pictured Cliffs		Unit:
Completion Date: 7-14-80	Total Depth: 4070'	Plug Back TD: 4058'	Elevation: 7108'
Farm or Lease Name: Indian A			
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 4070'	Perforations: From 3762' To 3956'		Well No.: #3
Tbg. Size: 1.660 / Wt.: 2.4 / d: 1.380 / Set At: 3802'	Perforations: From To		Unit: L / Sec.: 29 / Twp.: 29N / Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single	Packer Set At: None		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: e	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0
State: New Mexico			
L: . / H: / Gg: .60 / % CO_2: / % N_2: / % H_2S: / Positive choke / Meter Run: / Taps:			

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							940		941		SIP
1.	2"	X	.750	6		60°	6		253		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		18	1.000	1.291	1.003	224
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 953 P_c^2 908209

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		265	70225	837984
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0838$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0708$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 251$

Absolute Open Flow 251 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Produced heavy mist of water with a trace of paraffin.

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

BJB/sk