

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS W

REC'D
DEC 05 1985

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12/3/85	
Company Union Texas Petroleum Corp.		Connecticut Northwest Pipeline Corp.	
Pool Blanco		Formation Mesaverde	
Completion Date 11/22/85	Total Depth 6159	Plug Back TD 6121	Elevation 6583
Farm or Lease Name Stat. Com 31-8		Well No. 1-A	
Csg. Size 7.000	WI. 23.0	d 6.366	Set At 3715
Perforations: From 5140 To 6111			
Perforations: From 5491 To 5497			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single	Packer Set At —		
Producing thru Tubing	Reservoir Temp. °F —	Mean Annual Temp. °F —	Baro. Press. - P _a 12
County San Juan	State New Mexico		
5497	H	G _g 0.660	% CO ₂ —
% N ₂ —	% H ₂ S —	Prover —	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	2"		3/4"				1100		1120		11 Days
1.							225	62°	690		3 hours
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	12.3650		237	0.9981	0.9535	1.025	2859
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	P.S.I.A.	Critical Temperature	R
1												
2.												
3.												
4.												
5.												

NO.	P _i ²	P _w ²	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 2.0653$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.7227$
1		813	660,967	620,455		
2.						
3.						
4.						
5.						

$$AOF = Q \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 4925$$

Absolute Open Flow 4925 Mcfd @ 15.025 Angle of Slope ϕ — Slope, n 0.75

Remarks: —

Approved By Division — Conducted By: Connie Cleverman Calculated By: John C. Rosta Checked By: —