

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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MAR 21 1990
OIL CON. DIV.
D.S. 1

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3-21-90	
Company TEXACO INC.		Connection not connected	
Pool SO. Blanco EXT.		Formation Pictured Cliffs	
Completion Date 3-14-90		Total Depth 6025	Plug Back TD 5981
Csg. Size 5.500		Wt. 14&155	d 4.950
Tbg. Size -		Wt. -	d -
Set At 6024		Elevation 7131 G.L.	
Perforations: From 3662 To 3682		Farm or Lease Name C.W. Roberts	
Perforations: From - To -		Well No. 8	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas gas Multiple		Unit E 17-25N-3W	
Producing Thru Casing		Reservoir Temp. °F	Mean Annual Temp. °F
Baro. Press. - P _a 12.0		County Rio Arriba	
State NM.		Packer Set At 3711	
L 3662	H 3662	G _g .670 EST	% CO ₂
		% N ₂	% H ₂ S
Prover 2" X .75		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.	
SI	165 HRS.									
1.	2.000x.750									
2.	2.000x.750									
3.	2.000x.750									
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, F _{pv}	Rate of Flow Q, Mcfd
1.	11.000		160	1.000	1.222	1.017	2187
2.	11.000		127	1.000	1.222	1.012	1728
3.	11.000		114	1.000	1.222	1.011	1549
4.							
5.							

NO.	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	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0234$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0199$
1.						
2.						
3.	12996	125	15625	666651		
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,583$

Absolute Open Flow 1,583 Mcfd @ 15.025

Remarks: Pw taken from spang hand book

Angle of Slope ϕ - Slope, n .85

Approved By Division	Conducted By: P.D. Berhost	Calculated By: P.D. Berhost	Checked By:
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