

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-02-87	
Company TENNECO OIL CO.		Connection	
Pool		Formation BLANCO PICTURED CLIFFS	
Completion Date		Elevation	
Total Depth 3232		Plug Back TD 3188	
Farm or Lease Name DAVIS		Well No. 1	
Ceq. Size 4 1/2"	Wt. 11.6#	d K 55	Set At 3232
Perforations: From 3062	To 3111		
Thq. Size 1 1/4"	Wt. 2.4#	d J 55	Set At 3000
Perforations: From	To		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple		Packer Set At	
Producing Thru		County SAN JUAN	
Reservoir Temp. °F p		State NEW MEXICO	
Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _g	% 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.	
SI							384		391	
1.	2x6x.750						76		271	55
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	11.0		88	1.004	1.208	1.010	1186
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	0.132	516	1.340	0.981	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _i ²	P _w ²	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.973$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.782$
1		283	80089	82320		
2						
3						
4						
5						

Absolute Open Flow <u>2113</u> Mcfd @ 15.025		Angle of Slope <u>85</u>	
Remarks:			
Approved By Division	Conducted By: MARK MC COOL	Calculated By: MARK MC COOL	Checked By: