

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 11-25-86	
Company TENNECO OIL CO.		Correction	
Pool BLANCO		Formation MESA VERDE	
Completion Date	Total Depth 5764	Plug Back TD 5710	Elevation
Farm or Lease Name ATLANTIC A LS		Well No. 6	
Csg. Size 7" wt. 4 1/2"	Set At 4700 5764	Perforations: From To	Unit Sec. Twp. Rye. B 26 31 10
Trg. Size 2 3/8"	Set At 5548	Perforations: From 4838 To 5634	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At	County SAN JUAN
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	State NEW MEXICO
L	H	Cg .700	% 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.	
	2x6x.75						370		460	
1.							130		405	50
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	11		142	1.010	1.195	1.0169	1917
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/bbl.
1	.21	510	1.32	.967	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _r 472	P _r ² 222784
NO. 1	P _w 417
2	P _w ² 173889
3	P _w ² - P _r ² 48895
4	
5	

(1) $\frac{P_r^2}{P_w^2 - P_r^2} = 4.5564$

LOF = 0 $\left[\frac{P_r^2}{P_w^2 - P_r^2} \right]^n = 5978$

(2) $\left[\frac{P_r^2}{P_w^2 - P_r^2} \right]^n = 3.1186$

Absolute Open Flow 5978	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: SIDETRACK