

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3-13-82	
Company Union Texas Petroleum Corp. Gas Co. of New Mexico		Connection Formation Unit	
Pool Blanco		Mesaverde	
Completion Date 2-25-82	Total Depth 7001	Plug Back TD 6975	Elevation
Farm or Lease Name Culpepper Martin		Well No. 3M	
Csg. Size 7.625 5.5	Wt. 26.4 15.50	d 6.969 4.950	Set At 4392 4267/6999
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 4252
Perforations: From 4512 To 4746		Perforations: From 4247 To 4252	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G./Dual		Packer Set At 4822	
Producing Thru Tubing		Baro. Press. - P _a 12 psia	
Reservoir Temp. °F #		Mean Annual Temp. °F	
L	H	Cg .650	% CO ₂
% N ₂		% H ₂ S	
Prover		Meter Run	
Taps			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI	16 days		
1.	2 inch	..750	189
2.			
3.			
4.			
5.			
TUBING DATA			
NO.	Prover Line Size	X	Orifice Size
SI	16 days		
1.	2 inch	..750	189
2.			
3.			
4.			
5.			
CASING DATA			
NO.	Prover Line Size	X	Orifice Size
SI	16 days		
1.	2 inch	..750	189
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.3650		201
2.			
3.			
4.			
5.			
NO.	R	Temp. °R	T _f
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ XXXXXXXXXX			
Specific Gravity Flowing Fluid _____ XXXXXXXXXX			
Critical Pressure _____ P.S.I.A.			
Critical Temperature _____ R			
P _c 822 P _c ² 675684			
NO.	P _i ²	P _w	P _w ²
1		566	320356
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9016$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.61932$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3945$			
Absolute Open Flow 3945 Mcfd @ 15.025			
Angle of Slope θ _____ Slope, n 75			
Remarks: Dry gas with show of oil.			
Approved By Division			
Conducted By Joe Elledge			
Calculated By Joe Elledge			
Checked By Mr. Don Wells			