

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS W

RECEIVED
OCT 10 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-8-85	
Company Caulkins Oil Company		Connection	
Pool Blanco Mesa Verde		Formation Mesa Verde	
Completion Date		Total Depth 7650'	Plug Back TD 7650'
		Elevation 6577 GR	
Farm or Lease Name Breech "F"		Well No. 45-M	
Csg. Size 5 1/2"	Wt. 15.5&17#	Set At 4.892	Perforations From 4849' To 5481'
Thq. Size 1 1/4"	Wt. 2.3#	Set At 1.380	Perforations From 5456' To
Type Well - Single - Rindhead - G.C. or G.O. Multiple Gas - Gas Multiple		Packer Set At 5610'	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	State New Mexico
L	H	Gq	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Tape

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							836		846		7 Days SI
1.							79		391		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	14.1605		91	1.000	1.000	1.000	1.289
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 858	P _c ² 736,164	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.2813$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.204$
NO.	P _e ²	P _w	P _w ²
1		402	161,604
2			
3			
4			
5			

Absolute Open Flow 1,552 Mcfd @ 15.025		Angle of Slope 75	Slope, n _____
Remarks _____			
Approved By Division		Conducted By:	Calculated By:
			Checked By: