

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8 30-83	
Company Caulkins Oil Company		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 8-23-83		Total Depth 7440'	Plug Back TD 7440'
		Elevation 6675 GR	
Farm or Lease Name Breach "D"		Well No. 341-M	
Ceq. Size 5 1/2"	Wt. 17# 15.5	d 4.950	Set At 7440'
Perforations: From 7411 To 7242			
Thq. Size 1 1/2"	Wt. 2.90	d 1.900	Set At 7330'
Perforations: From 7330' To			
Type Well - Single - Drdhead - G.G. or G.O. Multiple Gas Gas Multiple		Packer Set At 5402'	
Producing Thru Tubing		Baro. Press. - P _a	
Reservoir Temp. °F #		Mean Annual Temp. °F	
County Rio Arriba		State New Mexico	
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.		Temp. °F
SI							1383		PKR		7 Days
1.							101		PKR		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, Mcld
1	14.1605		113	1.000	1.000	1.000	1,600
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	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 1395	P _c ² 1,946,025	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.127$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0936$
NO. 1	P _t ² 12,769 P _w 468 P _w ² 218,789 P _t ² - P _w ² 1,727,236		
2			
3			
4			
5			

Absolute Open Flow 1,750 Mcld @ 15.025		Angle of Slope @ _____	Slope, n 75
Remarks:			
Approved by Division _____ Conducted By: _____ Calculated By: _____ Checked By: _____			