

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-30-83		SEP 3 - 1983	
Company Caulkins Oil Company				Connection		OIL CON. DIV.	
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit DIST. 3	
Completion Date 8-23-83		Total Depth 7440'		Plug Back TD 7440'		Elevation 6675 GR	
Farm or Lease Name Breech "D"		Well No. 341-M					
Coq. Size 5 1/2"	Wt. 17#	d 4.950	Set At 7440'	Perforations: From 5102	To 5360		
Tbg. Size 1 1/4"	Wt. 2.33#	d 1.660	Set At 5364	Perforations: From 5364	To		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Gas Multiple				Packer Set At 5402		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% 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							801		1112		7 Days
1.							86		633		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 Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.1605		98	1.000	1.000	1.000	1,387
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²
1		645	416,025	847,351
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.491$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1,871$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.349$

Absolute Open Flow	1,871	Mcf @ 13.025	Angle of Slope @	Slope, n	75
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Approved By Division	Conducted By:	Calculated By:	Checked By:
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