

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 10-17-80	
Company Caulkins Oil Company					Connection						
Pool Otero Chacra & Blanco Mesa Verde					Formation Chacra & Mesa Verde					Unit	
Completion Date 10-03-80			Total Depth 7275		Plug Back TD 7275		Elevation 6426		Farm or Lease Name State A		
Coq. Size 7"	Wt. 23# & 26#	d 6.366	Set At 7275	Perforations: From 3670 To 5166				Well No. 268E			
Tq. Size 1 1/4"	Wt. 2.3	d 1.380	Set At 5152	Perforations: From 5152 To				Unit P	Sec. 16	Twp. 26N	Rge. 6W
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas - Gas Multiple							Packer Set At 5203		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		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	3/4"						921		1321		7 Days
1.							73		647		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		85	1.000	1.000	1.000	1,204
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	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1333	P _c ² 1,776,889	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.323$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.2339$
NO. 1	P _t ² 659	P _w ² 434,281	P _c ² - P _w ² 1,342,608
2			
3			
4			
5			

Absolute Open Flow 1,486 Mcfd @ 15.025		Angle of Slope 75	Slope, n
Remarks:			

Approved by Division	Conducted by:	Calculated by:	Checked by:
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