

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-19-74			
Company Caulkins Oil Co.				Connection					
Pool South Blanco PC.				Formation Pictured Cliffs				Unit	
Completion Date 11-8-74		Total Depth 3380		Plug Back TD 3380		Elevation 6165		Farm or Lease Name Breech	
Csg. Size 4 1/2"	Wt. 12.6	d 3.958	Set At 3380	Perforations: From 2336 To 2398		Well No. 354			
Tbg. Size 1"	Wt. 1.7	d 1.049	Set At 2310	Perforations: From none To		Unit H	Sec. 24	Twp. 26N	Rge. 7W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple						Packer Set At 3168		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO₂	% N₂	% H₂S	Prover	Meter Run	Pipe	

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	7 Days						720		720		
1.							36		530		3 hrs.
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		48	1.000	1.000	1.000	680
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	XXXXXX
3					Specific Gravity Flowing Fluid	XXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 732	P _c ² 535,824			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		542	293,764	242,060
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.21$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1334$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9621$

Absolute Open Flow 1334	Mcf/d @ 15.025	Angle of Slope 85	Slope, n
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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