

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

Form O-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-16-74	
Company Caulkins Oil Co.				Connection	
Pool South Blanco				Formation Pictured Cliffs	
Completion Date 10-9-74		Total Depth 4022'		Plug Back TD 4022'	
Elevation 6727 DF		Farm or Lease Name Breech B			
Csg. Size 4 1/2"	Wt. 12.6	d 3.833	Set At 4022	Perforations: From 3012 To 3084	
Tbg. Size 1"	Wt. 1.7#	d 1.049	Set At 2945	Perforations: From None To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 3872	
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.	
SI	8 days						915		920	
1.							101		631	
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		113	1.000	1.000	1.000	1.600
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		643	413,449	455,175
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 210$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3006$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8787$

Absolute Open Flow	3,006	Mcf/d @ 15.025	Angle of Slope °	Slope, n	85
--------------------	-------	----------------	------------------	----------	----

Remarks:

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