

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 6-2-77	
Company Caulkins Oil Co.				Connection		
Pool South Blanco				Formation Pictured Cliffs		Unit
Completion Date 5-19-77		Total Depth 3290		Plug Back TD 3271		Elevation 6602
Farm or Lease Name Breech F						
Csg. Size 4.5	Wt. 10.5	d 4.0	Set At 3271	Perforations: From 3160 To 3236		Well No. 545
Tbg. Size 1"	Wt. 1.7	d 1.049	Set At 3113	Perforations: From 3113 To		Unit Sec. Twp. Rge. M 35 27N 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		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.	
SI	7 days						1075		1075	
1.							76		691	
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		88	1.000	1.000	1.000	1,246
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 _____ 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.	1087				Critical Temperature _____ R _____ R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		703	494,209	687,360	1.7190	1,5848
2						
3						
4						
5						

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	AGF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					1,974
2					
3					
4					
5					

Absolute Open Flow	1,974	Mcf/d @ 15.025	Angle of Slope @	85
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Remarks:	
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Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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