

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

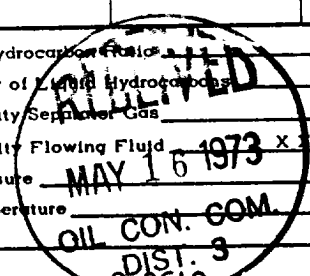
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-31-73			
Company Rodney P. Calvin Oil & Gas				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 3-24-73		Total Depth 6650'		Plug Back TD 6650'		Elevation 5656' RKB		Farm or Lease Name Kaempf	
Csg. Size 4-1/2"	Wt. 10.5#	d 4.052	Set At 6618'	Perforations: From Open Hole To 6618-6650'				Well No. 1	
Thg. Size 2-3/8"	Wt. 4.7#	d 1.990	Set At 6630'	Perforations: From Open End To				Unit N	Sec. 19
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At				County San Juan	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g .65 est	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2290		1564		7 days
1.											
2.	3/4" Pos. Choke			690		60°			1640		3 hrs
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							
2							
3	12.365		712	1.000	.9608	1.078	9119
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	Deg.
2					Specific Gravity Separator Gas	XXXXXXX
3					Specific Gravity Flowing Fluid	XXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R



NO.	P _c	P _w	P _r	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	2302	5,299,204				
2						
3		1652	2729,104	2570,100		
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 15,690$

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7206$

Absolute Open Flow 15,690 Mcfd @ 15.025	Angle of Slope @	Slope, n .75
Remarks:		
Approved By Commission:	Conducted By: Thomas A. Dugan	Calculated By: Jim L. Jacobs
Checked By:		