

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 7-19-73			
Company Rodney P. Calvin				Connection					
Basin - Dakota				Formation Dakota				Unit	
Completion Date 7-12-73		Total Depth 6725		Plug Back TD 6629		Elevation 5713 RKB		Farm or Lease Name Lee	
Perf. Size 2 3/4"	Wt. 10.5"	d 4.052	Set At 6725	Perforations: From 6629 To 6640		Well No. 1			
Thq. Size 2 3/4"	Wt. 4.7"	d 1.995	Set At 6614	Perforations: From Open End To		Unit Sec. Twp. Rge. 14 30 30N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan			
Producing Thru TLG		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
U		H		G _g .6554		% 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	
1.							2246		2224		7 days
2.	3/4" Pres. Choke			223		74°			826		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
2	12.365		235	.9868	.9609	1.022	2816
3							
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deq.
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					Critical Temperature _____ R _____ R

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n-.75}$
1					1.1315	1.0970
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 3087		RECEIVED JUL 25 1973 OIL CON. COM. DIST. 3
Estimated Gas Flow 3087 Mcfd @ 15.025		
Angle of Slope θ .75		
Remarks: Condensate & water @ end of test.		

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