

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 2-9-73			
Company Rodney P. Calvin Oil & Gas				Connection					
Pool Aztec P.C.				Formation Pictured Cliffs				Unit	
Completion Date 1-25-73		Total Depth 2125'		Plug Back TD 2084'		Elevation 5671' RKB		Farm or Lease Name Wright	
Csg. Size 4 1/2"	Wt. 9.5#	d 4.092	Set At 2125'	Perforations: From 1960' To 1974'		Well No. 1			
Thq. Size 1 1/4"	Wt. 2.4#	d 1.380"	Set At 1992'	Perforations: From Open End To		Unit Sec. Twp. Rge. 0 19 30N 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .62	% 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	
SI							510		568		7 days
1.											
2.											
3.	5/8" Pos. Choke			59		59°			253		3 hrs
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
1							
2							
3	8.5417		71	1.0010	.9837	1.0000	597
4							
5							

NO.	P _t	Temp. °R	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R					

$P_c = 580 \quad P_c^2 = 336,400$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2638 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2201$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3		265	70,225	266,175	
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 728$					
Absolute Open Flow 728		Mcf @ 15.025		Angle of Slope @	Slope, n .85

Remarks: Well making moderate to heavy spray of water throughout test.

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