

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

Form C-122
Revised 9-1-65



Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 2-9-73	
Company Rodney P. Calvin Oil & Gas			Connection		
Pool Aztec P.C.		Formation Pictured Cliffs		Unit	
Completion Date 1-23-73		Total Depth 2150'	Plug Back TD 2094'	Elevation 5704' RKB	Farm or Lease Name Campbell
Csg. Size 4 1/2"	Wt. 9.5#	d 4.092	Set At 2126'	Perforations: From 1972' To 1982'	
Tbg. Size 1 1/4"	Wt. 2.4#	d 1.380	Set At 1990' RKB	Perforations: From Open End To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _g	State New Mexico
L	H	G _g .62 est.	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
County San Juan			County		

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.							385		464		7 days
2.											
3.	5/8" Pos. Choke			32		57°			164		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		44	1.0029	.9837	1.000	378
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	XXXXXXXXXX
2.					Specific Gravity Flowing Fluid _____	XXXXXX
3.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
4.					Critical Temperature _____ R	_____ R
5.						

P _c 476		P _c ² 226,576		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1584$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1331$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 428$		
1.							
2.							
3.		176	30,976	195,600			
4.							
5.							

Absolute Open Flow 428 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Well making moderate spray of water at end of three hours.

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