

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: 5-30-85							
Company: Amoco Production Company			Connection:								
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area			Formation: Tubb			Unit: BDCDGU					
Completion Date: 9-4-81		Total Depth: 2748'		Plug Back TD: 2605		Elevation: 4803'					
Farm or Lease Name:		Well No.: 1834 011G									
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2748'	Perforations: From 2157' To 2337'							
Tubg. Size: 2-3/8"	Wt.: 4.7#	d:	Set At: 2034	Perforations: From To		Unit: G Sec: 1 Twp: 18 Rge: 34					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2027'		County: Union					
Producing Thru: Tubing		Reservoir Temp. °F: 80° @ 2247'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2					
State: New Mexico											
L: 2247'	H: 2247'	G _g : 1.529	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0	Prover:	Meter Run: 4.0" Taps: Flange				
FLOW DATA				TUBING DATA		CASING DATA					
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	Duration of Flow
SI							307				
1.	4.026 x 2.75			205	32	52	217.2	50			24 hrs
2.	4.026 x 2.75			222	26	54	234.2	50			24 hrs
3.	4.026 x 2.75			249	17	56	261.2	50			24 hrs
4.	4.026 x 2.75			271	11	57	283.2	50			24 hrs
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							2891				
2							2704				
3							2322				
4							1951				
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ 0 _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ 0 _____ Deg. Specific Gravity Separator Gas _____ 1.529 _____ X X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ 1072 _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ 547 _____ R _____ R						
1											
2											
3											
4											
5											
P _c 319.2 P _c ² 101.889					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.86$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.30$						
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3753$						
1		217.2		54.713							
2		234.2		47.039							
3		261.2		33.663							
4		283.2		21.686							
5											
Absolute Open Flow: 3753				Mcf @ 15.025				Angle of Slope θ: .42		Slope, n: .42	
Remarks:											
Approved By Commission:			Conducted By:			Calculated By: D. D. Kimble			Checked By:		