

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: 4-19-85							
Company: Amoco Production Company			Connection:								
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb		Unit: BDCDGU							
Completion Date: 12-16-82		Total Depth: 2526	Plug Back TD: 2505	Elevation: 4840	Farm or Lease Name:						
Csg. Size: 7	Wt.: 20	Set At: 2526	Perforations: From 2233 To 2476		Well No.: 2034-291 G						
Tbg. Size: 3.5	Wt.: 9.3	Set At: 2087	Perforations: From To		Unit: G Sec: 29 Twp: 20 R. 34						
Type Well - Single - Braehhead - G.G. or G.O. Multiple: Single			Packer Set At: 2056		County: Union						
Producing Thru Tubing	Reservoir Temp. °F: 90 @ 2355	Mean Annual Temp. °F: 50	Baro. Press. - P _a : 12.2		State: New Mexico						
L: 2355	H: 2355	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							296				
1.	4.026	x	2.00	213	23	60	225.2	50			24 hr.
2.	4.026	x	2.00	224	19	58	236.2	50			24 hr.
3.	4.026	x	2.00	247	11	59	259.2	50			24 hr.
4.	4.026	x	2.00	271	5	58	283.2	50			24 hr.
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							1205				
2							1144				
3							915				
4							645				
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mct/bbl.						
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2					Specific Gravity Separator Gas: 1.529 X X X X X X X X X						
3					Specific Gravity Flowing Fluid: X X X X X						
4					Critical Pressure: 1072 P.S.I.A. P.S.I.A.						
5					Critical Temperature: 547 R R						
P _r = 308.2 P _w = 94.987											
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.14$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.54$						
1		225.2		44.272	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1862$						
2		236.2		39.197							
3		259.2		27.803							
4		283.2		14.785							
5											
Absolute Open Flow: 1862 Mcfd @ 15.025					Angle of Slope θ: _____			Slope, n: .57			
Remarks:											
Approved By Commission:			Conducted By:			Calculated By: D. D. Kimble			Checked By:		