

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: 4-9-85	
Company: Amoco Production Company				Connection:		
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area				Formation: Tubb		Unit: BDCDGU
Completion Date: 11-10-83		Total Depth: 2652		Plug Back TD:		Elevation: 4875
Csg. Size: 7	Wt.: 20	d:	Set At: 2652	Perforations: From 2326 To 2517		Well No.: 2034 041G
Tub. Size: 3.5	Wt.: 9.3	d:	Set At: 2299	Perforations: From To		Unit Sec. Twp. Rge.: G 04 20 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2268		County: Union
Producing Thru: Tubing		Reservoir Temp. °F: 90°@ 2422		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2
L: 2422		H: 2422	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		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.	4.026 x 2.00			199	52	59	211.2	50			24 hr.
2.	4.026 x 2.00			217	35	61	229.2	50			24 hr.
3.	4.026 x 2.00			235	21	61	247.2	50			24 hr.
4.	4.026 x 2.00			271	8	60	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.							1757
2.							1502
3.							1227
4.							792
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas: 1.529	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid: XXXXX	
4.					Critical Pressure: 1072 P.S.I.A.	P.S.I.A.
5.					Critical Temperature: 547 R	R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 1.84$ $(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.54$ $AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2713$
1.		211.2		52.863	
2.		229.2		44.936	
3.		247.2		36.361	
4.		283.2		17.267	
5.					

Absolute Open Flow: 2713 Mcfd @ 15.025		Angle of Slope θ: _____	Slope, n: .71
Remarks: _____			
Approved By Commission: _____			
Conducted By: _____		Calculated By: D. D. Kimble	
Checked By: _____			