

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 4-29-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome <u>Carbon Dioxide Gas</u> Unit <u>640 Acre Area</u>		Formation Tubb	
Completion Date 3/12/81		Total Depth 2644	Plug Back TD 2597
		Elevation GL 4891	Unit BDCDGU
Csg. Size 5.5	Wt. 14	Set At 2645	Perforations: From 2257 To 2508
Thg. Size 2-7/8"	Wt. 6.5	Set At 2115.8	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2085'	Well No. 1934-171F
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2383	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2383	H 2383	G _g 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover 4.0	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
SI						333				
1.	4.026 x	2.375	215	36	55	227.2	50			24 hr
2.	4.026 x	2.375	232	28	56	244.2	50			24 hr
3.	4.026 x	2.375	258	18	58	270.2	50			24 hr
4.	4.026 x	2.375	281	10	58	293.2	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							2093
2							1985
3							1698
4							1323
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					0	0	1.529	X X X X X	1072	547
2										
3										
4										
5										

P _c 345.2	P _c ² 119.2			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		227.2		67.543
2		244.2		59.529
3		270.2		46.155
4		293.2		33.197
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.764$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2989$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.447$$

Absolute Open Flow	2989	Mcfd @ 15.025	Angle of Slope θ	Slope, n	65
Remarks:					
Approved By Commission:					
Conducted By:		Calculated By:		Checked By:	
		D. D. Kimble			