

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 6-14-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit - 640-Acre Area		Formation Tubb	
Completion Date 3-24-81		Total Depth 2558'	Plug Back TD 2512'
		Elevation 4690' G.L.	Unit BDCDGU
Csg. Size 5 1/2"	Wt. 14#	Set At 2557'	Perforations: From 2140' To 2321'
Thg. Size 2-3/8"	Wt. 4.7#	Set At 1984'	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 1953'	Well No. 1934 251J
Producing Thru Tubing	Reservoir Temp. °F 2230'	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2230'	H 2230'	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		223	33	54	235.2	50			24hr
2.				237	27	56	249.2	"			
3.				259	18	57	271.2	"			
4.				284	20	60	296.2	"			
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.							2385
2.							2218
3.							1898
4.							1563
5.							

NO.	P _t	Temp. °F	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 X X X	1072	547
2.										
3.										
4.										
5.										

P _c 342.2	P _c ² 117.10	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.895$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.439$
1	235.2	61.782	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3434$
2	249.2	55.000	
3	271.2	43.551	
4	296.2	29.366	
5			

Absolute Open Flow	3434	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .57
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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