

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	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area		Formation	
Completion Date 11-4-85		Total Depth 2664	Plug Back TD 2650
		Elevation 5012	
Csg. Size 7	Wt. 20	Set At 2663	Perforations: From 2424 To 2610
Tbg. Size 3-1/2	Wt. 9.3	Set At 2270	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2239	Unit BDCDGU
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2517	Mean Annual Temp. °F 50	Baro. Press. - P _g 12.25
L 2517	H 2517	C _g 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover	Meter Run 4.0
			Taps Flange

FLOW DATA									
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w '	Temp. °F	TUBING DATA		CASING DATA
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.
									Temp. °F
									Duration of Flow
1.	4.026 x 2.500			180.4	8.2	44	295		
2.	4.026 x 2.500			150.1	10	46	192.65	44	
3.	4.026 x 2.500			120.7	11	48	162.35	46	1.5
4.	4.026 x 2.500			91.8	13	49	132.95	48	1.5
5.							104.05	49	1.5

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							850
2.							970
3.							1050
4.							1180
5.							

NO.	P _t	Temp. °R	T _g	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					
2.							1.529		1072	496
3.										
4.										
5.										

P _c 307.2	P _c ² 94,372	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.13$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.09$
NO.	P _t ²	P _w	P _w ²
1.		193	
2.		162	
3.		133	
4.		104	
5.			

Absolute Open Flow 1207 Mcfd @ 15.025		Angle of Slope θ		Slope, n .70
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: Don Kimble	Checked By:
-------------------------	---------------	------------------------------	-------------