

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 11-19-85	Total Depth 2202	Plug Back TD 2180	Elevation 4440
Csg. Size 7	Wt. 20	Set At 2201	Perforations: From 2036 To 2134
Thg. Size 3-1/2	Wt. 9.3	Set At 1877	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 1846	Well No. 1936 311K
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2085	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25
L 2085	H 2085	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 2.500			182	16	49	325	49			
2.	4.026 x 2.500			153.3	22	49	194.25	49			1.5
3.	4.026 x 2.500			126	30.5	48	165.55	49			1.5
4.	4.026 x 2.500			97.2	46	47	138.25	48			1.5
5.							109.45	47			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.							1522
2.							1639
3.							1744
4.							1885
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	P.S.I.A.	P.S.I.A.
1.					0		1.529	X X X X X	1072	496		
2.												
3.												
4.												
5.												

P _c 337.2	P _w 113.704	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.12$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.08$
NO.	P _t	P _w	P _w ²
1.		194	76.068
2.		166	86.148
3.		138	94.660
4.		109	101.823
5.			

Absolute Open Flow 2043 Mcfd @ 15.025		Angle of Slope θ	Slope, n .73
Remarks:			

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