

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 11-6-85		Total Depth 2708		Plug Back TD 2655	Elevation 4972
Csq. Size 7	Wt. 20	Set At 2708	Perforations: From 2402 To 2604		Well No. 2134 311G
Thq. Size 3-1/2	Wt. 9.3	Set At 2596	Perforations: From To		Unit Sec. Twp. Rge. G 31 21 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2380	County Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2503	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25	State New Mexico
L 2503	H 2503	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0
				Prover 4.0	Meter Run 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	3.000		183.5	18	48	297				
2.	4.026 x	3.000		155.7	26.5	49	195.75	48			1.5
3.	4.026 x	3.000		129.3	38.5	47	167.95	49			1.5
4.	4.026 x	3.000		103.4	56	46	141.55	47			1.5
5.							115.65	46			1.5

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							2557
2.							2847
3.							3101
4.							3310

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	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 309.2	P _c ² 95,605	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.16$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.11$
NO.	P _w	P _w ²	P _c ² - P _w ²
1.	196		57,189
2.	168		67,381
3.	142		75,441
4.	116		82,149

Absolute Open Flow 3686 Mcfd @ 15.025		Angle of Slope θ	Slope, n .71
Remarks:			

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