

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 12-1-85	Total Depth 2425	Plug Back TD 2350	Elevation 4663
Csq. Size 7	Wt. 20	Set At 2425	Perforations: From 2228 To 2282
Thq. Size 3-1/2	Wt. 9.3	Set At 2067	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2036	Well No. 2035 051J
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2255	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25
L 2255	H 2255	C _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		182.1	4.5	47	281				
2.	4.026 x	2.500		151.2	4	48	194.35	47			1.5
3.	4.026 x	2.500		124.7	4	48	163.45	48			1.5
4.	4.026 x	2.500		98.7	6	48	136.95	48			1.5
5.						48	110.95	48			1.5

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.							
2.							580
3.							631
4.							699
5.							852

NO.	P _f	Temp. °R	T _f	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		1.529	X X X X X	1072	496
2.										
3.										
4.										
5.										

P _c	293.2	P _c ²	85.966
NO.	P _f ²	P _w	P _w ²
1.		194	48.330
2.		163	59.397
3.		136	67.470
4.		110	73.866
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.16$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 978$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.15$

Absolute Open Flow	978	Mcfd @ 15.025	Angle of Slope	Slope, n .91
Remarks:				

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