

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 12-3-85		Total Depth 2464	Plug Back TD 2405-
Elevation 4705		Farm or Lease Name	
Csq. Size 7	Wt. 20	Set At 2464	Perforations: From 2246 To 2336
Thq. Size 3-1/2	Wt. 9.3	Set At 2114	Perforations: From To
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At 2083	Well No. 2034 121K
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2291	Mean Annual Temp. °F 50
Baro. Press. - P _g 12.25		County Union	
State New Mexico		Meter Run Taps 4.0 Flange	
L 2291		H 2291	G _g 1.529
% CO ₂ 100		% N ₂ 0	% H ₂ S 0
Prover		Prover	

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	
1.	4.026 x 3.000			181.5	6.5	35	193.75	35	1.5
2.	4.026 x 3.000			152.9	7	37	165.15	37	1.5
3.	4.026 x 3.000			129.5	24	40	141.75	40	1.5
4.	4.026 x 3.000			93.5	28	40	105.75	40	1.5
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.							1481
2.							1556
3.							2344
4.							2468
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					0	
2.						
3.						
4.						
5.						

A.P.I. Gravity of Liquid Hydrocarbons		Deg.	
Specific Gravity Separator Gas		1.529	
Specific Gravity Flowing Fluid		X X X X X	
Critical Pressure		1072 P.S.I.A.	
Critical Temperature		496 R	

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1.		194		59.209
2.		165		69.620
3.		142		76.681
4.		106		85.609
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.13$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2651$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.13$$

Absolute Open Flow	2651	Mcf/d @ 15.025	Angle of Slope @	Slope, n	1.0
Remarks:					

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