

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: 5-10-85				
Company: Amoco Production Company				Connection:					
Loc: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb				Unit: BDCDGU	
Completion Date: 8-10-82		Total Depth: 2725'		Plug Back TD: 2680'		Elevation: 4865'		Farm or Lease Name:	
Csg. Size: 5-1/2"	Wt.: 14#	d:	Set At: 2725'	Perforations: From 2466' To 2564'		Well No.: 1933 201G			
Thq. Size: 2-7/8"	Wt.: 6.5#	d:	Set At: 2321	Perforations: From To		Unit: G Sec: 20 Twp: 19 Rge: 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single					Packer Set At: 2291'		County: Harding		
Producing Thru Tubing		Reservoir Temp. °F: 84° 2515'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2515'	H: 2515'	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.	
SI							315			
1.	4.026 x 2.00			232	36	57	244.2	50		
2.	4.026 x 2.00			253	26	58	265.2	50		24 hrs
3.	4.026 x 2.00			274	18	59	286.2	50		24 hrs
4.	4.026 x 2.00			299	9	60	311.2	50		24 hrs
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							1563
2							1389
3							1200
4							913
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					0	
2					0	
3					1.529	X X X X X X X X
4					X X X X X	
5					1072	P.S.I.A. P.S.I.A.
					547	R R

P _c 327.2	P _w 107.060		
NO.	P _c ²	P _w ²	P _c ² - P _w ²
1	244.2		47.426
2	265.2		36.729
3	286.2		25.149
4	311.2		10.214
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.25$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.329$

ADP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2078$

Absolute Open Flow: 2078 Mcfd @ 15.025	Angle of Slope θ: .35
Remarks:	
Approved By Commission:	Conducted By:
	Calculated By: D. D. Kimble
	Checked By: