

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: 5-24-85			
Company: Amoco Production Company				Connection:					
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb				Unit: BDCDGU	
Completion Date: 11-21-83		Total Depth: 2998'		Plug Back TD: 2800'		Elevation: 4742'		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2998'	Perforations: From 2514' To 2585'		Well No.: 1835 191G			
Tbg. Size: 3-1/2"	Wt.: 9.3#	d:	Set At: 2482'	Perforations: From To		Unit: G Sec. 19 Twp. 18 Rge. 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: 2444'		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 92° @ 2550'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2550'	H: 2550'	Gg: 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							317			
1.	4.026 x 2.25			212	40	58	224.2	50		
2.	4.026 x 2.25			228	30	59	240.2	50		
3.	4.026 x 2.25			261	16	59	273.2	50		
4.	4.026 x 2.25			280	10	60	292.2	50		
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							2025
2							1835
3							1439
4							1203
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 1.529 X X X X X X X X
3					Specific Gravity Flowing Fluid X X X X X
4					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 547 R _____ R

P _c 329.2	P _c ² 108.372					
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.86$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.41$
1		224.2		58.107		
2		240.2		50.676		
3		273.2		33.734		
4		292.2		22.992		
5						

Absolute Open Flow 2871 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .56	
Remarks: _____							
Approved By Commission:		Conducted By:		Calculated By: D. D. Kimble		Checked By:	

1835 1916

46 7200

LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$A_{OF} = 2871$

2, 2, 2, 2, 2

$$Q = MCF$$

