

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: 4-28-81		Total Depth: 2723'		Plug Back TD: 2670'		Elevation: 4505'
Csg. Size: 5-1/2"	Wt.: 14#	d:	Set At: 2718'	Perforations: From 2164 To 2187		Well No.: 1834 131G
Tbg. Size: 2-3/8"	Wt.: 4.7#	d:	Set At: 2163'	Perforations: From To		Unit: J Sec. 13 Twp. 18 Rge. 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2101'		County: Union
Producing Thru Tubing		Reservoir Temp. °F: 97°a 2176'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2
L: 2176'		H: 2176'		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.		Temp. °F
SI							356				
1.	4.026 x 2.625			205	40	57	217.2	50			24 hrs
2.	4.026 x 2.625			218	33	58	230.2	50			24 hrs
3.	4.026 x 2.625			248	20	59	260.2	50			24 hrs
4.	4.026 x 2.625			271	14	60	283.2	59			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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							2845
2							2658
3							2261
4							1957
5							

NO.	P _t	Temp. °R	T _t	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	0	1.529	X X X X X X X X	1072	547
2										
3										
4										
5										

P _c 368.2	P _c ² 135.571	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.53$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.40$
NO. 1	P _w 217.2	P _w ² 88.395	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4006$
2	230.2	82.579	
3	260.2	67.867	
4	283.2	55.369	
5			

Absolute Open Flow: 4006 Mcfd @ 15.025	Angle of Slope θ: .80
Remarks:	
Approved By Commission: Conducted By: Calculated By: D. D. Kimble Checked By:	

1834 1316

46 7200

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

AOA = 4006

$P_1^2 - P_2^2$

$Q = MCF$

100 1.5 2 2.5 3 4 5 6 7 8 9 1000 1.5 2 2.5 3 4 5 6 7 8 9 1

