

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: 5-15-83	
Company: Amoco Production Company				Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb		Unit: BDCDGU
Completion Date: 8-22-84		Total Depth: 2837'		Plug Back TD: 2770'		Elevation: 4714' GL
Csg. Size: 7"	Wt.: 20#	Set At: 2840'	Perforations: From 2486' To 2540'		Well No.: 1834 281G	
Tbg. Size: 3-1/2"	Wt.: 9.4#	Set At: 2336'	Perforations: From To		Unit Sec. Twp. Hgt. G 28 18 34	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2336'		County: Union
Producing Thru: Tubing		Reservoir Temp. °F: 92° 2513'		Mean Annual Temp. °F: 50		State: New Mexico
L: 2513'	H: 2513'	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							350			
1.	4.026 x 1.875			214	50	60	226.2	50		
2.	4.026 x 1.875			242	30	60	254.2	50		
3.	4.026 x 1.875			260	21	60	272.2	50		
4.	4.026 x 1.875			296	9	60	308.2	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							1554
2							1275
3							1116
4							770
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	0
2					Specific Gravity Separator Gas	1.529
3					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	1072
5					Critical Temperature	547

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.64$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.55$
1		226.2		80.022		
2		254.2		66.571		
3		272.2		57.096		
4		308.2		36.202		
5						

Absolute Open Flow: 2413 Mcfd @ 15.025				Angle of Slope θ: .89
Remarks:				
Approved By Commission: Conducted By: Calculated By: D. D. Kimble Checked By:				

1834 2816

