

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 Unit				Formation Tubb		Unit	
Completion Date 11/7/83		Total Depth 2570'		Plug Back TD 2495'		Elevation 4910' GL	
Farm or Lease Name 1933 231G							
Csg. Size 7"	Wt. 20#	d	Set At 2570'	Perforations: From 2316' To 2450'			Well No.
Tbg. Size 3-1/2"	Wt. 9.3#	d	Set At 2291'	Perforations: From To			Unit Sec. Twp. Rge. G 23 19 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2263'		County Harding	
Producing Thru Tubing		Reservoir Temp. *F 87° @ 2383'		Mean Annual Temp. *F 50		Baro. Press. - P _g 12.2	
State New Mexico							
L 2383'	H 2383'	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							296			
1.	4.026 x 2.250			278	4	58	284	50		
2.	4.026 x 2.250			258	10	59	264	50		
3.	4.026 x 2.250			232	24	59	239	50		
4.	4.026 x 2.250			209	39	59	217	50		
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							767
2							1161
3							1668
4							2036
5							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					0	0	1.529	XXXXXX	1072	547
2										
3										
4										
5										

P _c 308.2	P _c ² 94,987	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.237$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.724$
NO	P _r	P _w	P _w ²
1		296.2	7,253
2		276.2	18,701
3		251.2	31,886
4		229.2	42,455
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3509$	
Absolute Open Flow 3509 Mcfd @ 15.025	Angle of Slope θ Slope, n .676
Remarks:	
Approved By Commission: Conducted By: Calculated By: D. R. White Checked By:	