

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: 4-23-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb	
Completion Date: 12-5-80		Total Depth: 2672	
Plug Back TD: 2628		Elevation: 4586	
Farm or Lease Name:		Unit: BDCDGU	
Csg. Size: 4-1/2	Wt. 9.5	Set At: 2670	Perforations: From 2274 To 2450
Tbg. Size: 2-3/8	Wt. 4.7	Set At: 2237	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single		Packer Set At: 2237	
Producing Thru: Tubing		Reservoir Temp. °F: 90° 2362	
Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2	
State: New Mexico		County: Union	
Prover: 2362	H: 2362	G _g : 1.529	% CO ₂ : 100
% N ₂ : 0	% H ₂ S: 0	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							289			
1.	4.026 x 1.625			195	37	59	207.2	50		
2.	4.026 x 1.625			223	35	63	235.2	50		
3.	4.026 x 1.625			236	28	61	248.2	50		
4.	4.026 x 1.625			261	16	62	273.2	50		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1165
2							976
3							907
4							717
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ 0 _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ 0 _____ 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.
5					Critical Temperature _____ 547 _____ R

P _c 301.2	P _c ² 90.721	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.90$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.33$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	207.2		47.790
2	235.2		35.402
3	248.2		29.118
4	273.2		16.083
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1555$

Absolute Open Flow _____ 1555 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .45
Remarks: _____		

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
-------------------------	---------------	--------------------------------	-------------