

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: 4-19-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb	
Completion Date: 11-1-83		Total Depth: 2679	Plug Back TD: 2600
		Elevation: 4919	Farm or Lease Name: BDCDGU
Csg. Size: 7	Wt.: 20	d:	Set At: 2679
Perforations: From 2314 To 2518		Well No.: 2034 311G	
Tbg. Size: 3.5	Wt.: 9.3	d:	Set At: 2309
Perforations: From To		Unit Sec. Twp. Rge. G 31 20 34	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: 2278	County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2416	Mean Annual Temp. °F: 50	Baro. Press. - P _a : 12.2
State: New Mexico			
L: 2416	H: 2416	G _q : 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							295			
1.	4.026 x 2.25			211	22	62	223.2	50		
2.	4.026 x 2.25			211	23	60	223.2	50		24 hr.
3.	4.026 x 2.25			239	11	60	251.2	50		24 hr.
4.	4.026 x 2.25			264	4	59	276.2	50		24 hr.
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							1510
2							1537
3							1163
4							739
5							

NO.	P _r	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. P.S.I.A.
5					Critical Temperature 547 R R

P _c 307.2	P _c ² 94,372	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.12$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.81$
NO.	P _r ²	P _w	P _w ²
1		223.2	44,553
2		223.2	44,553
3		251.2	31,270
4		276.2	18,085
5			

Absolute Open Flow 2732 Mcfd @ 15.025		Angle of Slope θ	Slope, n .79
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By: