

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: 4-9-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb	
Unit: BDCDGU		Farm or Lease Name:	
Completion Date: 3-25-81	Total Depth: 3132	Plug Back TD: 3010	Elevation: 4810
Csg. Size: 5-1/2	Wt.: 14	Set At: 3132	Perforations: From 2354 To 2433
Thq. Size: 2-7/8	Wt.: 6.5	Set At: 2212	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: 2181	Well No.: 2134 341K
Single		County: Union	Unit: K Sec. 34 Twp. 21 Rge. 34
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2394	Mean Annual Temp. °F: 50	Baro. Press. - P _a : 12.2
State: New Mexico		Prover: Meter Run: 4.0 Taps: Flange	
L: 2394	H: 2394	Gg: 1.529	% CO ₂ : 100 % N ₂ : 0 % H ₂ S: 0

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							295			
1.	4.026 x 1.5			205	47	58	217.2	50		
2.	4.026 x 1.5			225	32	60	237.2	50		
3.	4.026 x 1.5			252	13	59	264.2	50		
4.	4.026 x 1.5			287	1	52	299.2	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							926
2							801
3							550
4							115
5							

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

P _r 307.2	P _r ² 94,372	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.00$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.89$
NO.	P _r ²	P _w	P _w ²
1		217.2	47.196
2		237.2	38.108
3		264.2	24.570
4		299.2	4.851
5			

Absolute Open Flow 1752 Mcfd @ 15.025		Angle of Slope θ	Slope, n .92
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: D. D. Kimble	Checked By: