

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: BDCDGI	
Completion Date: 11-21-83		Total Depth: 2618		Plug Back TD: 2615		Elevation: 4908		Farm or Lease Name:	
Csg. Size: 7	Wt.: 20	d:	Set At: 2618	Perforations: From 2298 To 2484		Well No.: 2033 0116			
Tbg. Size: 3.5	Wt.: 9.3	d:	Set At: 2204	Perforations: From To		Unit Sec. Twp. Rge.: G 01 20 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: 2165		County: Harding	
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2391		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2391	H: 2391	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							306			
1.	4.026 x 1.375			200	36	57	212.2	50		
2.	4.026 x 1.375			220	23	58	232.2	50		
3.	4.026 x 1.375			239	13	58	251.2	50		
4.	4.026 x 1.375			257	7	57	269.2	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							663
2							560
3							443
4							349
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 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 308.2	P _c ² 101,251	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.80$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.76$
NO.	P _t ²	P _w	P _w ²
1	212.2		56.222
2	232.2		47.334
3	251.2		38.150
4	269.2		28.783
5			

Absolute Open Flow 1166 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .96
Remarks: _____			
Approved By Commission: _____ Conducted By: _____ Calculated By: D. D. Kimble _____ Checked By: _____			