

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: 5-30-85				
Company: Amoco Production Company				Connection:					
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb				Unit: BDCDGU	
Completion Date: 9-4-81		Total Depth: 2748'		Plug Back TD: 2605		Elevation: 4803'		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2748'	Perforations: From 2157' To 2337'		Well No.: 1834 011G			
Thg. Size: 2-3/8"	Wt.: 4.7#	d:	Set At: 2034	Perforations: From To		Unit: G Sec. 1 Twp. 18 Rge. 34			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single					Packer Set At: 2027'		County: Union		
Producing Thru: Tubing		Reservoir Temp. °F: 80° @ 2247'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2247'	H: 2247'	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.	Temp. °F	
SI							307				
1.	4.026 x 2.75			205	32	52	217.2	50			24 hrs
2.	4.026 x 2.75			222	26	54	234.2	50			24 hrs
3.	4.026 x 2.75			249	17	56	261.2	50			24 hrs
4.	4.026 x 2.75			271	11	57	283.2	50			24 hrs
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							2891
2							2704
3							2322
4							1951
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. _____ P.S.I.A.
5					Critical Temperature _____ 547 _____ R _____ R

P _c _____ 319.2	P _c ² _____ 101.889	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.86$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.30$
NO.	P _t ²	P _w	P _w ²
1		217.2	54.713
2		234.2	47.039
3		261.2	33.663
4		283.2	21.686
5			

Absolute Open Flow _____ 3753 _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ .42
Remarks: _____			
Approved By Commission: _____ Conducted By: _____ Calculated By: D. D. Kimble _____ Checked By: _____			