

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			
Company Amoco Production Company				Connection					
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area				Formation				Unit BDCDGU	
Completion Date 1-2-86		Total Depth 2351		Plug Back TD 2304-		Elevation 4590		Farm or Lease Name	
Csg. Size 7	Wt. 20	d	Set At 2351	Perforations: From 2121 To 2240		Well No. 2035 341F			
Tbg. Size 3-1/2	Wt. 9.3	d	Set At 1993	Perforations: From To		Unit Sec. Twp. Rge. F 34 20 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 1963		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2181		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2181	H 2181	G _g 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							311			
1.	4.026 x 3.000			188.9	23	57	201.15	57		
2.	4.026 x 3.000			162.1	32	57	174.35	57		
3.	4.026 x 3.000			137.9	44.5	56	150.15	56		
4.	4.026 x 3.000			114.7	64.5	54	126.95	54		
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							2976
2							3128
3							3376
4							3576
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ 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 496 R _____ R

P _c 323.2	P _c ² 104,458	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.18$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.10$
NO.	P _c ²	P _w	P _w ²
1		201	
2		174	
3		150	
4		126	
5			

Absolute Open Flow 3961 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .62	
Remarks:					
Approved by Commission:		Conducted By:		Calculated By: Don Kimble	
				Checked By:	