

**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 1-10-86		Total Depth 2402		Plug Back TD 2306-		Elevation 4640		Farm or Lease Name	
Csq. Size 7	Wt. 20	d	Set At 2402	Perforations: From 2112 To 2224		Well No. 2135 321G			
Tbg. Size 3-1/2	Wt. 9.3	d	Set At 1956	Perforations: From To		Unit Sec. Twp. Rge. G 32 21 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 1926		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 # 2168		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2168	H 2168	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							300			
1.	4.026 x	2.500	180.2	19	50	192.45	50			1.5
2.	4.026 x	2.500	153.1	24	50	165.35	50			1.5
3.	4.026 x	2.500	124.2	34	50	136.95	50			1.5
4.	4.026 x	2.500	96.7	75	48	108.95	48			1.5
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							1800
2							1950
3							2200
4							2400
5							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons
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 496 R

P _c 312.2	P _c ² 97,469	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.14$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.11$
NO.	P _t ²	P _w	P _w ²
1		192	60.605
2		165	70.244
3		136	78.973
4		109	85.588
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2673$

Absolute Open Flow 2673 Mcfd @ 15.025

Angle of Slope θ

Slope, n .83

Remarks:

Approved by Commission:	Conducted By:	Calculated By: Don Kimble	Checked By:
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