

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-85

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-29-85	
Company Amoco Production Company				Connection	
Pool Brava Dome <u>Carbon Dioxide Gas Unit 640 Acre Area</u>				Formation Tubb	
Completion Date 12/6/84		Total Depth 2652		Plug Back TD 2608	
Elevation GL 4840		Farm or Lease Name			
Csg. Size 7"	Wt. 20	Set At 2652	Perforations: From 2238 To 2486		Well No. 1934 281G
Thg. Size 3.5	Wt. 9.3	Set At 2135	Perforations: From To		Unit Sec. Twp. Rge. G 28 19 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2096	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2362		Mean Annual Temp. °F 50	
Baro. Press. - P _g 12.2		State New Mexico			
L 2362	H 2362	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.		Temp. °F
SI				319				50			
1.	4.026 x 2.750			210	39	58	222.2	50			24 hr
2.	4.026 x 2.750			227	29	59	239.2	50			24 hr
3.	4.026 x 2.750			250	17	60	262.2	50			24 hr
4.	4.026 x 2.750			278	7	60	290.2	50			24 hr
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							3051
2							2823
3							2331
4							1634
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 <u>1.529</u> <u>XXXXXXXXXX</u>
3.					Specific Gravity Flowing Fluid <u>XXXXXX</u>
4.					Critical Pressure <u>1072</u> P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature <u>547</u> _____ R

P _c <u>331.2</u>	P _c ² <u>109.7</u>	
NO.	P _t ²	P _w ²
1	222.2	60.321
2	239.2	52.477
3	262.2	40.945
4	290.2	25.477
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.819}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{4693}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.54}$

Absolute Open Flow <u>4693</u> Mcfd @ 15.025	Angle of Slope <u>°</u>	Slope, n <u>.72</u>
Remarks:		
Approved By Commission:	Conducted By:	Calculated By: <u>D. D. Kimble</u>
		Checked By: