

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 6-14-85			
Company Amoco Production Company				Connection					
Pool Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation Tubb				Unit BDCDGU	
Completion Date		Total Depth 2505'		Plug Back TD 2392'		Elevation 4540' G.L.		Farm or Lease Name	
Csg. Size 5-1/2"	Wt. 14#	d	Set At 2498'	Perforations: From 2036 To 2064		Well No. 1935 331F			
Tbg. Size 2-7/8"	Wt.	d	Set At 1981	Perforations: From To		Unit Sec. Twp. Rge. F 33 19 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 1981'		County Union	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico	
L 2050	H 2050	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							326			
1.	4.026 x 1.75			227	24	59	239.2			
2.	4.026 x 1.75			247	24	59	259.2			
3.	4.026 x 1.75			269	14	60	281.2			
4.	4.026 x 1.75			292	6	60	304.2			
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							1100
2							986
3							796
4							545
5							

NO.	P _r	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 338.2	P _c ² 114.4		
NO.	P _r ²	P _w	P _w ²
1		239.2	57.163
2		259.2	47.195
3		281.2	35.306
4		304.2	21.842
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.00$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1825$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.659$

Absolute Open Flow _____ 1825 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .73
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble
		Checked By: