

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 2489		Plug Back TD 2444		Elevation 4730		Farm or Lease Name	
Csg. Size 7	Wt. 20	d	Set At 2490	Perforations: From 2251 To 2380		Well No. 2034 241J			
Thq. Size 3-1/2	Wt. 9.3	d	Set At 2381	Perforations: From To		Unit Sec. Twp. Rge. J 24 20 34			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 2228		County Union		
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2316		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2316	H 2316	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							296			
1.	4.026 x 3.000			183.8	34.5	42	196.05	42		
2.	4.026 x 3.000			155.5	40	44	167.75	44		
3.	4.026 x 3.000			129.2	48	44	141.45	44		
4.	4.026 x 3.000			100.3	58.5	44	112.55	44		
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.							2500
2.							2850
3.							3200
4.							3645
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio <u>0</u> Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas <u>1.529</u> X X X X X X X X Specific Gravity Flowing Fluid <u>X X X X X</u> Critical Pressure <u>1072</u> P.S.I.A. _____ P.S.I.A. Critical Temperature <u>496</u> R _____ R
1.					
2.					
3.					
4.					

P _c <u>308.2</u>	P _c ² <u>94.987</u>				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.15$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.15$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4200$
1.		196		56.571	
2.		167		67.098	
3.		141		75.106	
4.		112		82.443	

Absolute Open Flow <u>4200</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>1.00</u>
Remarks: _____			
Approved by Commission: _____ Conducted By: _____ Calculated By: <u>Don Kimble</u> _____ Checked By: _____			