

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	
Completion Date 12-1-85		Total Depth 2547		Plug Back TD 2505	
Elevation 4550		Unit BDCDGU		Farm or Lease Name	
Csg. Size 7	Wt. 20	Set At 2547	Perforations: From 2342 To 2418		Well No. 1835 231J
Tbg. Size 3-1/2	Wt. 9.3	Set At 2183	Perforations: From To		Unit Sec. Twp. Rge. J 23 18 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2144	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2380		Mean Annual Temp. °F 50	
Baro. Press. - P _a 12.25		State New Mexico		County Union	
L 2380	H 2380	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0
Prover 4.0		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.	
1.	4.026 x	3.000	183.3	26	35	348	195.55	35		
2.	4.026 x	3.000	154.1	28	40	166.35	141.35	40		1.5
3.	4.026 x	3.000	129.1	32	40	110.35		40		1.5
4.	4.026 x	3.000	98.1	36.5	40			40		1.5
5.										1.5

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							2677
2.							2850
3.							2953
4.							3113
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	P.S.I.A.	P.S.I.A.
1.					0		1.529	X X X X X	1072	496		
2.												
3.												
4.												
5.												

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²
1.	195.6			91.485
2.	166.4			102.055
3.	141.4			109.750
4.	110.4			117.556
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3269$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.05$

Absolute Open Flow	3269	Mcfd @ 15.025	Angle of Slope θ	Slope, n .60
--------------------	------	---------------	-------------------------	--------------

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