

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 9-2-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit		Formation Tubb	
Completion Date 7-26-81		Unit BDCDGU	
Total Depth 2730		Plug Back TD 2629	
Elevation 4765		Farm or Lease Name	
Csg. Size 5.5	Wt. 2730	Perforations: From 2419 To 2532	
Tbg. Size 2-7/8	Wt. 2276	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2246	
Producing Thru Tubing		County Harding	
Reservoir Temp. °F 90 @ 2476		Mean Annual Temp. °F 50	
Baro. Press. - P _a 12.2		State New Mexico	
L 2476	H 2476	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
1.	4.026	X	2.25	189	29	63	325				
2.	"			210	21	63	189	50			24-hr.
3.	"			240	12	62	210	"			"
4.	"			271	4	62	240	"			"
5.							271	"			"

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.							1690
2.							1517
3.							1224
4.							807
5.							

NO.	P _r	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	0	1.529	X X X X X X X X	1072	547		
2.												
3.												
4.												
5.												

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1.	201.2			73.222
2.	222.2			64.331
3.	252.2			50.099
4.	283.2			33.502
5.				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.55$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.51$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2556$

Absolute Open Flow 2556 Mcfd @ 15.025

Angle of Slope θ .94

Approved By Commission:	Conducted By:	Calculated By: D. D. KIMBLE	Checked By:
-------------------------	---------------	--------------------------------	-------------