

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: 8-26-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb	
Completion Date: 12-12-83		Total Depth: 2790	Plug Back TD: 2747
Elevation: 4740		Farm or Lease Name:	
Csg. Size: 7	Wt. 20	Set At: 2790	Perforations: From 2458 To 2510
Well No. 1833 151G			
Tbg. Size: 3.5	Wt. 9.3	Set At: 2418	Perforations: From To
Unit: G	Sec. 15	Twp. 18	Rge. 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			
Producing Thru Tubing		Reservoir Temp. °F: 90 @ 2484	Mean Annual Temp. °F: 50
Baro. Press. - P _a : 12.2		State: New Mexico	
L 2484	H 2484	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							298			
1.	4.026 x 1.375			198	19	59	178	50		
2.	4.026 x 1.375			199	12	60	199	50		24 hr
3.	4.026 x 1.375			216	7	58	216	50		24 hr
4.	4.026 x 1.375			234	4	58	234	50		24 hr
5.										24 hr

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.							483
2.							411
3.							338
4.							272
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	0
2.					Specific Gravity Separator Gas	1.529
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	1072
5.					Critical Temperature	547

P _c	310.2	P _c ²	96.224
NO.	P _t ²	P _w	P _w ²
1.		190.2	60.048
2.		211.2	51.619
3.		228.2	44.149
4.		246.2	35.610
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.60$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.60$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 773$

Absolute Open Flow 773 Mcfd @ 15.025

Angle of Slope θ _____ Slope, n 1.00

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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