

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: 4-19-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb	
Completion Date: 6-30-81		Total Depth: 2710	Plug Back TD: 2600
Elevation: 4925		Farm or Lease Name:	
Csg. Size: 5.5	Wt.: 14	Set At: 2710	Perforations: From 2344 To 2562
Thg. Size: 2-7/8"	Wt.: 6.5	Set At: 2187	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: 2157	Well No.: 2033 361G
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2453	Mean Annual Temp. °F: 50
Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2453	H: 2453	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	
SI							289		
1.	4.026 x 1.625			223	27	60	235.2	50	
2.	4.026 x 1.625			225	28	57	237.2	50	
3.	4.026 x 1.625			250	15	58	262.2	50	
4.	4.026 x 1.625			269	8	56	281.2	50	
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							870
2							884
3							702
4							517
5							

NO.	Ln P _r	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	301.2	P _c ²	90.721
NO.	P _t ²	P _w	P _w ²
1		235.2	35.402
2		237.2	34.458
3		262.2	21.973
4		281.2	11.648
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.56$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.55$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1354$

Absolute Open Flow: 1354 Mcfd @ 15.025

Angle of Slope θ: _____ Slope, n: 47

Remarks: _____

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