

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: 9/17/85	
Company: Amoco Production Company			Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit-640 acre area			Formation: Tubb		Unit: BDCDGU
Completion Date: 12/28/83		Total Depth: 2820	Plug Back TD: 2700	Elevation: 4795	Farm or Lease Name: 1833 021G
Csg. Size: 7-	Wt.: 20	Set At: 2820	Perforations: From 2470 To 2560		Well No.: 1833 021G
Tbg. Size: 3-1/2	Wt.: 9.3	Set At: 2392	Perforations: From To		Unit Sec. Twp. Rge. G 2 18 33
Type Well - Single - Fractured - G.G. or G.O. Multiple			Packer Set At: 2384		County: Harding
Producing Thru Tubing		Reservoir Temp. °F: 90 @ 2515	Mean Annual Temp. °F: 50	Baro. Press. - P _a : 12.2	State: New Mexico
L: 2515	H: 2515	G _g : 1.529	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0
				Prover: 4.0	Meter Run: 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							375			
1.	4.026 x 2.125			187	28	59	187	50		
2.	4.026 x 2.125			207	27	59	207	50		24 hrs.
3.	4.026 x 2.125			237	20	59	237	50		24 hrs.
4.	4.026 x 2.125			256	15	59	256	50		24 hrs.
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							1456
2							1309
3							1235
4							1175
5							

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

P _c 387.2	P _c ² 149.924	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.36$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.21$
NO.	P _t	P _w	P _w ²
1		199.2	110.243
2		219.2	101.875
3		259.2	82.739
4		268.2	77.993
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1762$

Absolute Open Flow 1762 Mcfd @ 15.025	Angle of Slope @	Slope, n .62
Remarks:		

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