

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: 4-23-85	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area				Formation: Tubb	
Completion Date: 12-30-80		Total Depth: 2640		Plug Back TD: 2589	
Elevation: 4934		Farm or Lease Name:			
Csg. Size: 5.5	Wt.: 14	d:	Set At: 2640	Perforations: From 2325 To 2577	
Thg. Size: 2-7/8	Wt.: 6.5	d:	Set At: 2553	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At: 2308	
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2451		Mean Annual Temp. °F: 50	
Baro. Press. - P _a : 12.2		State: New Mexico			
L: 2451	H: 2451	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.	
SI							306			
1.	4.026 x 1.75			202	30	57	214.2	50		
2.	4.026 x 1.75			236	17	64	248.2	50		24 hr.
3.	4.026 x 1.75			254	12	62	262.2	50		24 hr.
4.	4.026 x 1.75			279	5	64	291.2	50		24 hr.
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							
2							1016
3							827
4							724
5							482

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	0	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	0	Deq.
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	P.S.I.A.

P _c	318.2	P _c ²	101.251
NO.	F _t ²	P _w	P _w ²
1		214.2	55.370
2		248.2	39.648
3		262.2	32.502
4		291.2	16.454
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.82$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1468$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.45$

Absolute Open Flow	1468	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.61
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		D. D. Kimble	