

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 8-20-85			
Company Amoco Production Company				Connection				
Pool Bravo Dome Carbon Dioxide Gas Unit 630 Acre Area				Formation Tubb			Unit BDCDGU	
Completion Date 9-26-84		Total Depth 2745		Plug Back TD 2557		Elevation 4568		Farm or Lease Name
Csq. Size 7	Wt. 20	d	Set At 2745	Perforations: From 2157 To 2276		Well No. 1835 151 G		
Thq. Size 3.5	Wt. 9.3	d	Set At 2047	Perforations: From To		Unit Sec. Twp. Rge. G 15 18 35		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 2016		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 # 2217		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico
L 2217	H 2217	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						346			
1.	4.026 x 1.87		202	38	61	202	50		
2.	" "		236	16	62	236	"		
3.	" "		256	8	62	256	"		
4.	" "		282	2	61	282	"		
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1434
2							1136
3							835
4							527
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
1					0	0	1.529	X X X X X X X X	1072	547
2									P.S.I.A.	P.S.I.A.
3									R	R
4										
5										

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1	358.2	214.2	45.96	82.426
2	128.307	248.2	61.616	66.704
3		268.2	71.988	56.376
4		294.2	86.556	41.753
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.56$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2043$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.42$

Absolute Open Flow 2043	Mcfd @ 15.025	Angle of Slope θ	Slope, n .80
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Cchecked By:

1835 1516

46 7400

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$POF = 2043$

$Q = MCFD$

