

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
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
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 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. P.S.I.A.
5.					Critical Temperature 547 R R

P _c 358.2	P _c ² 128.307	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.56$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.42$
NO.	P _r ²	P _w	P _w ²
1		214.2	82.426
2		248.2	66.704
3		268.2	56.376
4		294.2	41.753
5			

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

Absolute Open Flow 2043 Mcfd @ 15.025

Angle of Slope θ

Slope, n .80

Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Cchecked By:
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1835 1516

46 7400

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

$POF = 2043$

$Q = MCFD$

