

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 640 Acre Area				Formation Tubb		Unit BDCDGU
Completion Date 10-19-84		Total Depth 2797		Plug Back TD 2650		Elevation 4584
Csq. Size 7	Wt. 20	d 2791	Set At 2791	Perforations: From 2370 To 2456		Well No. 1835 221G
Thq. Size 3.5	Wt. 9.3	d 2250	Set At 2250	Perforations: From To		Unit Sec. Twp. Rge. G 22 18 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2219		County Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2413		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
L 2413		H 2413	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0
					Prover 4.0	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.	Temp. °F	Duration of Flow
SI							361				
1.	4.026 x 1.75			220	78	63	220	50			24 hr.
2.	"			243	53	60	243	"			"
3.	"			261	41	61	261	"			"
4.	"			282	27	60	282	"			"
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							1087
2							1064
3							942
4							825
5							

NO.	R _t	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 P.S.I.A.
5.					Critical Temperature	547 °R

P _c	373.2	P _c ²	139.278
NO.	P _t ²	P _w	P _w ²
1		232.2	85.361
2		255.2	74.151
3		273.2	64.640
4		294.2	52.725
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.63$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.34$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1458$$

Absolute Open Flow	1458	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.60
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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LOGARITHMIC 3 X 3 CYCLES
KEFFEL & ESSER CO. MADE IN U.S.A.

46 7400

1835 2216

AOE = 1458

Q = MCFD

