

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 9-10-85			
Company Amoco Production Company				Connection				
Pool/Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb				Unit BDCDGU
Completion Date 1-16-84		Total Depth 2668		Plug Back TD 2628		Elevation 4565		Farm or Lease Name
Csg. Size 7	Wt. 20	d	Set At 2668	Perforations: From 2066 To 2270			Well No. 1835 031 G	
Tub. Size 3-1/2	Wt. 9.3	d	Set At 1974	Perforations: From To			Unit Sec. Twp. Rge. G 3 18 35	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 1974		County Union		
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2168		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico
L 2168	H 2168	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							333			
1.	4.026 x 2.375			234	43	60	234	50		
2.	" "			247	32	60	247	"		
3.	" "			272	15	60	272	"		
4.	" "			322	0	58	322	"		
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							2454
2							2237
3							1759
4							252
5							

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

P _c 345.2	P _c ² 119,163	
NO.	P _i ²	P _w
1	246.2	58.549
2	259.2	51.978
3	284.2	38.393
4	334.2	7.473
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.04$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.75$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4302$

Absolute Open Flow 4302 Mcfd @ 15.025

Angle of Slope θ _____

Slope, n .79

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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1835 0316

46 7400

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

$K \frac{Q}{P_e^2 - P_w^2}$

AOF = 4302

Q = MCFD

