

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: 5-24-85	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb	
Completion Date: 8-22-84		Total Depth: 2812'		Plug Back TD: 2693'	
Elevation: 4615'		Farm or Lease Name:			
Csg. Size: 7"	Wt.: 20#	Set At: 2798	Perforations: From 2378' To 2458'		Well No.: 1835 211F
Tng. Size: 3-1/2"	Wt.: 9.3#	Set At: 2277'	Perforations: From To		Unit: F Sac: 21 Twp: 18 Rge: 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2246	
Producing Thru: Tubing		Reservoir Temp. °F: 91° @ 2418'		Mean Annual Temp. °F: 50	
Baro. Press. - P _a : 12.2		State: New Mexico			
L: 2418'	H: 2418'	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							323			
1.	4.026 x 1.625			221	38	59	233.2	50		
2.	4.026 x 1.625			238	26	59	250.2	50		
3.	4.026 x 1.625			268	15	59	280.2	50		
4.	4.026 x 1.625			294	7	61	306.2	50		
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							1004
2							896
3							705
4							513
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										
3										
4										
5										

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.94$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.48$
1		233.2		57.977		
2		250.2		49.759		
3		280.2		33.847		
4		306.2		18.600		
5						

Absolute Open Flow: 1483 Mcfd @ 15.025				Angle of Slope θ: .59	
Remarks:					
Approved by Commission:					
Conducted By:		Calculated By: D. D. Kimble		Checked By:	

1835 211F

46 7200

K·E LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

AOF = 1483

P₁ = P₂

Q = MCF

