

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: 6-8-85				
Company: Amoco Production Company					Connection:				
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area					Formation: Tubb		Unit: BDCDGU		
Completion Date: 10-2-84		Total Depth: 2682'		Plug Back TD: ?		Elevation: 4470' GL		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2682'	Perforations: From 2061' To 2164'		Well No.: 1835 121G			
Tbg. Size: 3-1/2"	Wt.: 9.3#	d:	Set At: 1940'	Perforations: From To		Unit Sec. Twp. Rge. G 12 18 35			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At: 1910'		County: Union		
Producing Thru: Tubing		Reservoir Temp. °F: 2112'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2112'	H: 2112'	Gg: 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							326			
1.	4.026 x 1.875			259	7	63	271.2	50		
2.	4.026 x 1.875			284	4	61	296.2	50		
3.	4.026 x 1.875			289	3	60	301.2	50		
4.	4.026 x 1.875			311	1	59	323.2	50		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							650
2							507
3							470
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					0	
2					0	
3					1.529	XXXXXX
4					XXXXX	
5					1072	P.S.I.A.
					547	R

P _c 338.2		P _c ² 114.4	
NO.	P _r ²	P _w	P _w ²
1		271.2	40.830
2		296.2	26.645
3		301.2	23.658
4		323.2	9.921
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.801$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1194$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.836$

Absolute Open Flow: 1194 Mcfd @ 15.025		Angle of Slope Θ :		Slope, n: .59
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
-------------------------	---------------	-----------------------------	-------------

U

1835 1216

46 7200

K $\cdot$ Σ LOGARITHMIC 2 X 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$P_1^2 = P_2^2$

AOF = 1194

Q = MCF

