

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: 5-30-85			
Company: Amoco Production Company				Connection:					
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation: Tubb				Unit: BDCDGU	
Completion Date: 8-27-84		Total Depth: 2941'		Plug Back TD: 2788'		Elevation: 4703' G.L.		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	Set At: 2910'	Perforations: From 2438' To 2540'		Well No.: 1835 181G				
Tbg. Size: 3-1/2"	Wt.: 9.3#	Set At: 2338'	Perforations: From To		Unit: G		Sec.: 18	Twp.: 18	Rge.: 35
Type Well - Single - Fractured - G.G. or G.O. Multiple						Packer Set At: 2307'		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 93° @ 2489'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2489'	H: 2489'	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.	Temp. °F
1.	4.026 x 2.5			208	33	59	220.2	50			24 hrs
2.	4.026 x 2.5			226	25	60	238.2	50			24 hrs
3.	4.026 x 2.5			255	16	60	267.2	50			24 hrs
4.	4.026 x 2.5			280	9	60	292.2	50			24 hrs
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							2348
2							2143
3							1803
4							1465
5							

NO.	P _t	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	XXXXXX	1072	547
2										
3										
4										
5										

P _c : 365.2	P _c ² : 133.371	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.57$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.46$
NO. 1	P _w ² : 220.2	P _w ² - P _w ² : 84.883	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3416$
2	238.2	76.632	
3	267.2	61.975	
4	292.2	47.990	
5			

Absolute Open Flow: 3416 Mcfd @ 15.025	Angle of Slope θ: .83
Remarks:	
Approved By Commission: Conducted By: Calculated By: D. D. Kimble Checked By:	

1835 1816

46 7200

LOGARITHMIC 2 X 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

POF = 3416

P.L. 3 - P.L. 4

Q = MCF

