

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: 5-10-85			
Company: Amoco Production Company				Connection:					
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb				Unit: BDCDGU	
Completion Date: 11-28-83		Total Depth: 2658'		Plug Back TD: 2611'		Elevation: 4948'		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2658'	Perforations: From 2316' To 2441'		Well No.: 1933 101G			
Tbg. Size: 3-1/2"	Wt.: 9.3#	d:	Set At: 2296'	Perforations: From To		Unit: G Soc: 10 Twp: 19 Hgt: 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: 2257'		County: Harding	
Producing Thru Tubing		Reservoir Temp. °F: 89° @ 2504'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2504	H: 2504	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
SI							280				
1.	4.026 x 031M			225	42	59	237.2	50			24 hrs
2.	4.026 x 031M			237	32	58	249.2	50			24 hrs
3.	4.026 x 031M			249	22	58	261.2	50			24 hrs
4.	4.026 x 031M			275	7	57	267.2	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							1461
2							1327
3							1124
4							682
5							

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

P _c : 292.2	P _w : 85.381	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.932$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.71$
NO. 1	P _w : 237.2	P _w ² : 29.117	
2	249.2	23.280	
3	261.2	17.155	
4	267.2	13.985	
5			

Absolute Oper. Flow: 2502 Mcfd @ 15.025		Angle of Slope θ: .50
Remarks:		
Approved By Commission: Conducted By: Calculated By: D. D. Kimble Checked By:		