

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: 9-6-87	
Company: Amoco Production Company				Connection:			
Pool: Bravo Dome				Formation: Tubb		Unit: BDCDGU	
Completion Date: 1-17-84		Total Depth: 2725'		Plug Back TD: 2678'		Elevation: 5065'	
Csg. Size: 7"		WI: 20#		d: 6.456		Set At: 2725'	
Perforations: From 2452 To 2557		Well No.: 2033-071G					
Perforations: From To		Unit: G		Sec.: 7		Twp.: 20	
Perforations: From To		Rye.: 33					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At: 2266'	
Single						County: Harding	
Producing Thru: Tubing		Reservoir Temp. °F: 90		Mean Annual Temp. °F: 50		Baro. Press. - P _g : 12.25	
State: New Mexico							
L:		H:		C _g :		% 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							289		0	
1.	4.026 x 1.750			235	42	61	235	61	0	
2.	4.026 x 1.750			243	27	60	243	60	0	
3.	4.026 x 1.750			251	13	60	251	60	0	
4.	4.026 x 1.750			263	2	58	263	58	0	
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							1298
2							1156
3							873
4							435
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					0	
2.						
3.						
4.						
5.						

NO.	P _t	P _w	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		247.25	61132	29619	4.7306	2.175
2		255.25	65152	25599		
3		263.25	69300	21451		
4		275.25	75762	14989		
5						

Absolute Open Flow: 2175 Mcfd @ 15.025				Angle of Slope θ: 63.4		Slope, n: 0.5	
Remarks:							
Approved by Commission:							
Conducted By: RANDY MAHANNAH		Calculated By: RICHARD ROETH		Checked By:			