

**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'		Farm or Lease Name:	
Csq. Size: 7"	Wt.: 20#	d: 6.456	Set At: 2725'	Perforations: From 2452 To 2557		Well No.: 2033-071G			
Tsq. Size: 3.5	Wt.: 9.5	d: 3.00	Set At: 2266	Perforations: From To		Unit: G Sec: 7 Twp: 20 Rye: 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: 2266'		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	Cq	% 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 1.750			235	42	61	235	61	0		24 hr.
2.	4.026 x 1.750			243	27	60	243	60	0		24 hr.
3.	4.026 x 1.750			251	13	60	251	60	0		24 hr.
4.	4.026 x 1.750			263	2	58	263	58	0		24 hr.
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.							1298
2.							1156
3.							873
4.							435
5.							

NO.	P _t	Temp. °R	T _f	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		1.529		1072	496
2.										
3.										
4.										
5.										

F _c 301.25 P _c ² 90751		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.7306$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.175$	
NO.	F _t ²	P _w	P _w ²	P _c ² - P _w ²	
1.		247.25	61132	29619	
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:	