

**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 8-14-87	
Company Amoco Production Company		Connection	
Pool Bravo Dome		Formation Tubb	
Completion Date 12-10-84		Total Depth 2760	Plug Back TD 2665
		Elevation 4720	Farm or Lease Name
Csq. Size 7	Wt. 20#	d 6.456	Set At 2760
Perforations: From 2431 To 2472	Well No. 1833-242M		
Tog. Size 3.5	Wt. 9.5#	d 3.00	Set At 2278
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2278	Unit Sec. Twp. Rge. M 24 18 33
Producing Thru Tubing	Reservoir Temp. °F 90	Mean Annual Temp. °F 50	Baro. Press. - P _g 12.25
County Union		State New Mexico	
L	H	Gg	% 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	0.50	181	1	68	181	68	0			24 hr.
2.	4.026 x	0.50	172	1	75	172	75	0			1 hr.
3.	4.026 x	0.50	155	1	83	155	83	0			1 hr.
4.	4.026 x	0.50	134	4	84	134	84	0			1 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.							14
2.							13
3.							12
4.							23
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		1.529	XXXXX	1072	496
2.										
3.										
4.										
5.										

$P_c = 229.25$ $P_c^2 = 52555$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		193.25	37346	15209
2.		184.25	33948	18607
3.		167.25	27973	24582
4.		146.25	21389	31166
5.				

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.4555$

$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3586$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 33$

$AOF = 33$

Absolute Open Flow	33	Mcf/d @ 15.025	Angle of Slope °	55.32	Slope, n	.6920
Remarks:						

Approved by Commission:	Conducted By: RANDY MAHANNAH	Calculated By: RICHARD ROETH	Checked By:
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