

**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: 8-18-87	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome		Formation: Tubb	
Completion Date: 12-10-84		Total Depth: 2856'	Plug Back TD: 2780'
Elevation: 4730'		Farm or Lease Name:	
Csq. Size: 7"	Wt.: 20#	d: 6.456	Set At: 2856'
Perforations: From 2496' To 2517'		Well No.: 1833-261K	
Tog. Size: 3.5	Wt.: 9.5#	d: 3.00"	Set At: 2400'
Perforations: From To		Unit: K Sec. 26 Twp. 18 Rje. 33	
Type Well - Single - Rodenhead - G.G. or G.O. Multiple		Packer Set At: 2368'	County: Harding
Single		State: New Mexico	
Producing Thru: Tubing	Reservoir Temp. °F: 90	Mean Annual Temp. °F: 50	Baro. Press. - P _a : 12.25
L: H: G _g :	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0
Prover: 4.0	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							333				24 hr.
1.	4.026 x	0.50	190	1	80	190	80	0			1 hr.
2.	4.026 x	0.50	173	2	79	173	79	0			1 hr.
3.	4.026 x	0.50	155	3	80	155	80	0			1 hr.
4.	4.026 x	0.50	135	3	81	135	81	0			1 hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcd
1							14
2							19
3							22
4							20
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		1072	496
2.										
3.										
4.										
5.										

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	202.25	40905	78292	
2	185.25	34317	84880	
3	167.25	27972	91225	
4	147.25	21682	97515	
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 26$

Absolute Open Flow: 26 Mcd @ 15.025

Angle of Slope: 45

Slope, n: 1.0

Remarks:

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