

**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: 8-13-87	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome		Formation: Tubb	
Completion Date: 12-11-84		Total Depth: 2032'	Plug Back TD: 2768'
		Elevation: 4750'	Farm or Lease Name:
Csq. Size: 7	Wt.: 20#	Set At: 6.456	Perforations: From 2484 To 2526
Tsq. Size: 3.5	Wt.: 9.5#	Set At: 3.0	Perforations: From To
Type Well - Single - Brdenhead - G.G. or G.O. Multiple		Packer Set At: 2322'	Well No.: 1833-231K
Producing Thru: Tubing		Reservoir Temp. °F: 90	Mean Annual Temp. °F: 50
		Baro. Press. - P _a : 12.25	Unit: K Sec. 23 Twp. 18 Rge. 33
L	H	G _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.		Temp. °F
1.	4.026 x	0.50		150	1	56	150	56	0		24 hr.
2.	4.026 x	0.50		135	1	56	135	56	0		1 hr.
3.	4.026 x	0.50		120	1	60	120	60	0		1 hr.
4.	4.026 x	0.50		105	1	65	105	65	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							13
2.							12
3.							11
4.							11
5.							

NO.	P _r	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	XXXXXX	1072	496
2.										
3.										
4.										
5.										

P _c 206.25	P _c ² 42539	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6236$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6198$
NO. 1	P _r ² 162.25 P _w 26325 P _c ² - P _w ² 16214	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 21$	
2	147.25 21683 20856		
3	132.25 17490 25049		
4	117.25 13748 28791		
5			

Absolute Open Flow: 21 Mcfd @ 15.025	Angle of Slope θ: 63.4	Slope, n: .5
Remarks: Due to low gas volumes and small liquid volumes this well will not totally unload. I believe this is the best test we can get in reason.		
Approved by Commission:	Conducted By: RANDY MAHANNAH	Calculated By: RICHARD ROETH
		Checked By: