

**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: 8-22-87	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome				Formation: Tubb	
Completion Date: 12-10-84		Total Depth: 2813		Plug Back TD: 2770	
				Elevation: 4740	
Csg. Size: 7"		Wt.: 20#		Perforations: From 2436' To 2512'	
Tag. Size: 3.5"		Wt.: 9.5#		Perforations: From To	
				Well No.: 1834-301G	
				Unit: G Sec. 30 Twp. 18 Rys. 34	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At: 2299'	
Single				County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90		Mean Annual Temp. °F: 50	
				Baro. Press. - P _g : 12.25	
L		H		State: New Mexico	
		G _g		Prover	
		% CO ₂ : 100		% N ₂ : 0	
				% H ₂ S: 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
1.	4.026	x	0.50	168	1	65	192	65	0		24 hr.
2.	4.026	x	0.50	150	1	67	168	67	0		1 hr.
3.	4.026	x	0.50	130	2	72	150	72	0		1 hr.
4.	4.026	x	0.50	110	2	76	130	72	0		1 hr.
5.							110	76	0		1 hr.

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.							16
4.							15
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons
2.					Specific Gravity Separator Gas 1.529
3.					Specific Gravity Flowing Fluid X X X X X
4.					Critical Pressure 1072 P.S.I.A.
5.					Critical Temperature 496 P.S.I.A.

P _c 204.25	P _c ² 41718	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.96$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	180.25	32490	9228
2	160.25	26325	15392
3	142.25	20235	21483
4	122.25	14945	26773
5			

Absolute Open Flow 21 Mcfd @ 15.025		Angle of Slope @ 63.44		Slope, n 0.5	
Remarks:					
Approved by Commission:					
Conducted By: RANDY MAHANNAH		Calculated By: RICHARD ROETH		Checked By:	

**BRAVO DOME
AOF TESTING DATA SHEET**

TEST DATE: 8/22/87
WELL NO.: BDCDEU 18343016

SHUT-IN TBG PRESSURE: 192
30 MIN. SHUT-IN TBG PRESSURE: 172

RATE NO. 1

TIME (MIN.)	FLOWING TBG. PRESS. (PSIG)	TEMP. MeFD (Rate)	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H2O)	METER TEMP. (F)
0	168	23	0.500	168	3	64
15	168	19		168	2	64
30	168	19		168	2	64
45	168	13		168	1	63
60	168	13		168	1	65

RATE NO. 2

TIME (MIN.)	FLOWING TBG. PRESS. (PSIG)	TEMP. MeFD (Rate)	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H2O)	METER TEMP. (F)
0	150	12	0.500	150	1	64
15	150	18		150	2	66
30	150	12		150	1	64
45	150	12		150	1	67
60	151	12		151	1	67

RATE NO. 3

TIME (MIN.)	FLOWING TBG. PRESS. (PSIG)	TEMP. MeFD (Rate)	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H2O)	METER TEMP. (F)
0	130	26	0.500	130	5	67
15	131	20		131	3	67
30	130	16		130	2	69
45	130	16		130	2	70
60	130	16		130	2	72

RATE NO. 4

TIME (MIN.)	FLOWING TBG. PRESS. (PSIG)	TEMP. MeFD (Rate)	ORIFICE SIZE (IN.)	STATIC PRESSURE (PSIG)	DIFFERENTIAL PRESSURE (IN. H2O)	METER TEMP. (F)
0	110	24	0.500	110	5	72
15	110	15		110	2	76
30	110	15		110	2	78
45	110	15		110	2	80
60	110	15		110	2	76

BDCDGU No. 1834 301G

