

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122

UNIT : BDCDGU  
 LEASE :  
 WELL : 2232251G  
 S/T/R : 25,22,32  
 COUNTY: UNION  
 STATE : NEW MEXICO

TYPE TEST: 4 POINT  
 : INITIAL  
 TEST DATE: 12/ 1/93

COMPANY: AMOCO PRODUCTION COMPANY  
 FIELD: BRAVO DOME POOL: N/A  
 COMPLETED 09-18-93 TD = 2461.  
 CSG SIZE = 4.5000 WT = 4.56  
 TBG SIZE = 0.0000 WT = 0.00  
 TYPE COMPLETION: SINGLE  
 PRODUCING THROUGH: CASING

CONNECTION: BRAVO DOME PLANT  
 RESERVOIR: TUBB  
 PBD = 2428. ELEV = 4816.  
 SET AT 2460. PERF: 2202.- 2364.  
 SET AT 0. PERF: 0.- 0.  
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2461. FT.      BARO. PRESS = 12.20 PSIA  
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2461.	2461.	1.527	100.00	0.00	0.00	0.0	4.0	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBG. PSIG	TBG. TEMP	CSG. PSIG	CSG. TEMP	FLOW HRS.
SI						0.		239.	50.	24.0
1	3.99 X	2.875	179.	18.0	64.	0.	0.	180.	64.	1.0
2	3.99 X	2.875	150.	33.0	65.	0.	0.	151.	65.	1.0
3	3.99 X	2.875	121.	50.0	65.	0.	0.	122.	65.	1.0
4	3.99 X	2.875	88.	76.0	64.	0.	0.	91.	64.	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTR F(T)	G-FACTR F(G)	SC-FACTR F(PV)	FLOW MCFD
1	46.28	58.67	191.2	0.9962	0.8092	1.0567	2313.
2	46.28	73.16	162.2	0.9952	0.8092	1.0475	2856.
3	46.28	81.61	133.2	0.9952	0.8092	1.0385	3159.
4	46.28	87.27	100.2	0.9962	0.8092	1.0285	3348.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	524.	0.81	0.896	API G OF HYDROCARBONS	0.0
2	0.26	525.	0.81	0.911	SP G SEPARATOR GAS	1.527
3	0.21	525.	0.81	0.927	SP G FLOWING FLUID	XXXXX
4	0.16	524.	0.81	0.945	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	251.4
1	37.	192.	37.	26.	PC*PC =	63.
2	27.	163.	27.	37.	PC*PC/(PC*PC-PW*PW) =	1.2021
3	18.	134.	18.	45.	(PC*PC/(PC*PC-PW*PW))*N =	1.1034
4	11.	103.	11.	53.	AO F (MCF/DAY) =	3695.

CALC WH OPEN FLOW = 3695. MCFD @ 15.025; SLOPE ANGLE = 61.9; N = 0.535

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY  
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

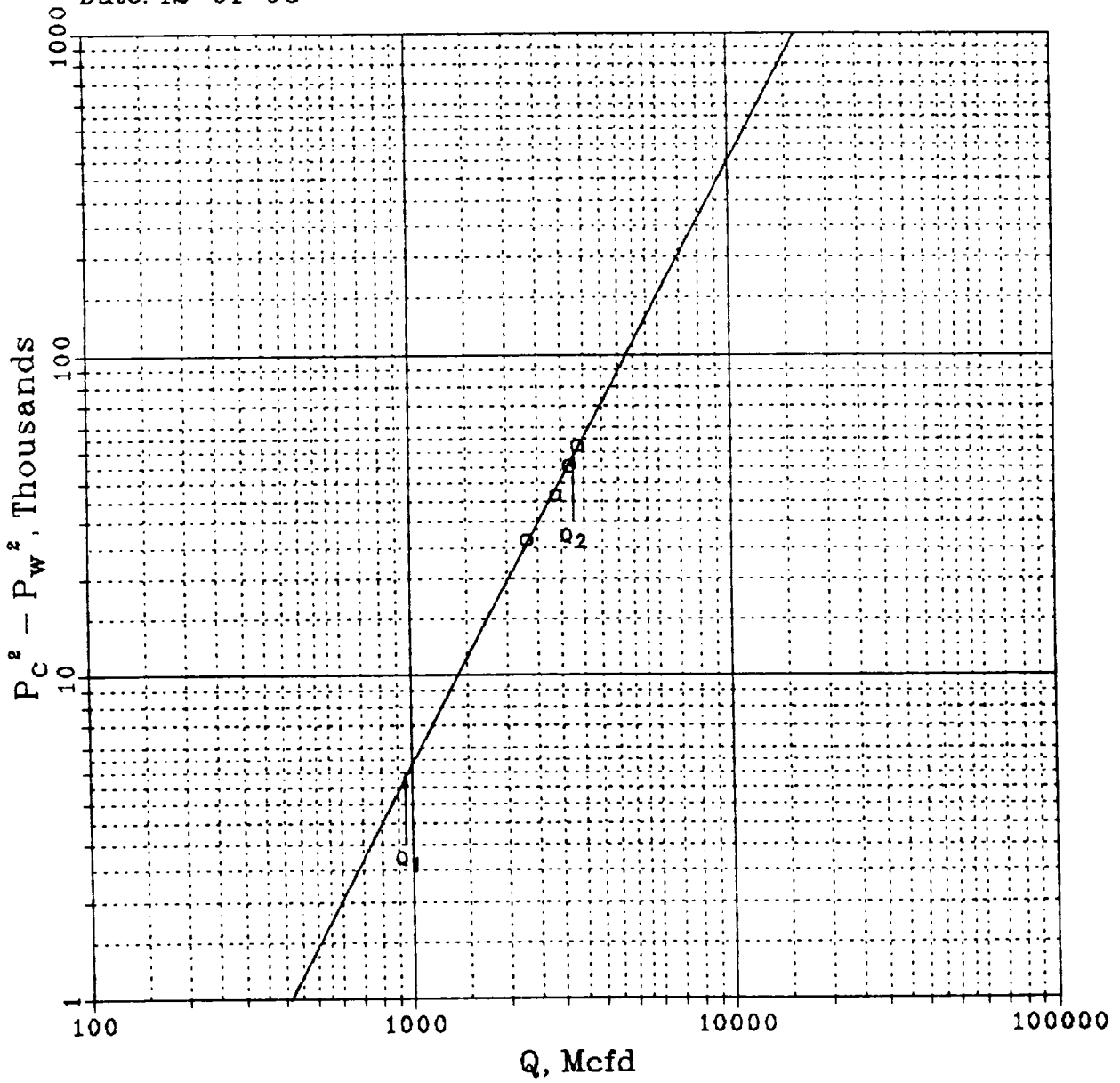
CHECKED BY:

*Billy E. Frusher*

*J. J. Howard*

GAS WELL  
BACK PRESSURE TEST

Company: Amoco Production Company  
 Well: 2232251G  
 Field/Pool: Bravo Dome  
 County: Union  
 Date: 12-01-93



$$\begin{aligned}
 Q_1 &= 951. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.97831 \\
 Q_2 &= 3259. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.51309 \\
 n &= 0.53478 = 0.535
 \end{aligned}$$