

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

Form C-122

UNIT : BDCDGU  
 LEASE :  
 WELL : 2134191F  
 S/T/R : 19,21,34  
 COUNTY: UNION  
 STATE : NEW MEXICO

TYPE TEST: 4 POINT  
 : INITIAL  
 TEST DATE: 11/ 3/93

COMPANY: AMOCO PRODUCTION COMPANY  
 FIELD: BRAVO DOME POOL: N/A  
 COMPLETED 08-23-93 TD = 2566.  
 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 = 2531. ELEV = 4818.  
 SET AT 2566. PERF: 2342.- 2382.  
 SET AT 0. PERF: 0.- 0.  
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2566. FT.      BARO.PRESS = 12.20 PSIA  
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2566.	2566.	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.		275.	50.	24.0
1	3.97 X	2.000	181.	92.0	63.	0.	0.	183.	63.	1.0
2	3.97 X	2.000	147.	136.0	63.	0.	0.	151.	63.	1.0
3	3.97 X	2.750	119.	47.0	63.	0.	0.	121.	63.	1.0
4	3.97 X	2.750	89.	67.0	63.	0.	0.	92.	63.	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	19.86	133.32	193.2	0.9971	0.8092	1.0573	2259.
2	19.86	147.14	159.2	0.9971	0.8092	1.0465	2467.
3	41.39	78.53	131.2	0.9971	0.8092	1.0379	2722.
4	41.39	82.34	101.2	0.9971	0.8092	1.0288	2829.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	523.	0.81	0.894	API G OF HYDROCARBONS	0.0
2	0.25	523.	0.81	0.913	SP G SEPARATOR GAS	XXXXX
3	0.21	523.	0.81	0.928	SP G FLOWING FLUID	1.527
4	0.16	523.	0.81	0.945	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	287.5
1	38.	195.	38.	45.	PC*PC =	83.
2	27.	163.	27.	56.	PC*PC/(PC*PC-PW*PW) =	1.1509
3	18.	133.	18.	65.	(PC*PC/(PC*PC-PW*PW))*N =	1.0728
4	11.	104.	11.	72.	AOE (MCF/DAY) =	3035.

CALC WH OPEN FLOW = 3035. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY  
 COMMISSION:

CONDUCTED BY:

*Billy E. ...*

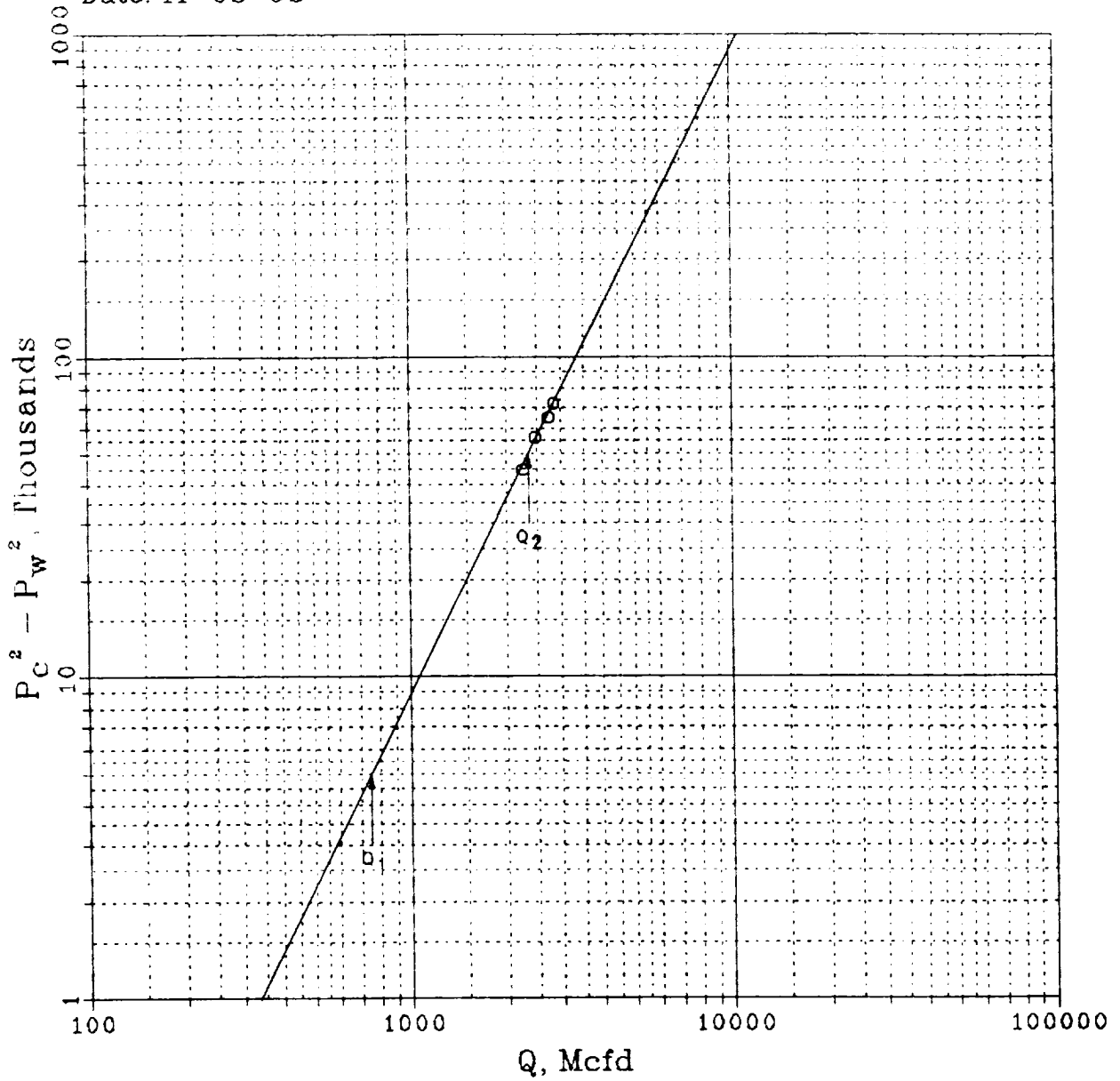
CALCULATED BY:

CHECKED BY:

*[Signature]*

GAS WELL  
BACK PRESSURE TEST

Company: Amoco Production Company  
 Well: 2134191F  
 Field/Pool: Bravo Dome  
 County: Union  
 Date: 11-03-93



$Q_1 = 747. \text{ Mcfd}; \text{ LOG } Q_1 = 2.87305$   
 $Q_2 = 2361. \text{ Mcfd}; \text{ LOG } Q_2 = 3.37307$   
 $n = 0.50002 = 0.500$