

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

Form C-122

UNIT : BDCDGU  
 LEASE :  
 WELL : 2132141G  
 S/T/R : 14,21,32  
 COUNTY: HARDING  
 STATE : NEW MEXICO

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

COMPANY: AMOCO PRODUCTION COMPANY  
 FIELD: BRAVO DOME POOL: N/A  
 COMPLETED 08-23-93 TD = 2425.  
 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 = 2403. ELEV = 4885.  
 SET AT 2425. PERF: 2178.- 2284.  
 SET AT 0. PERF: 0.- 0.  
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2425. FT.      BARO. PRESS = 12.20 PSIA  
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2425.	2425.	1.527	100.00	0.00	0.00	0.0	4.0	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBC. PSIG	TBC. TEMP	CSG. PSIG	CSG. TEMP	FLOW HRS.
SI										
1	3.96 X	3.500	178.	28.0	61.	0.		247.	50.	24.0
2	3.96 X	3.500	147.	44.0	59.	0.	0.	180.	61.	1.0
3	3.96 X	3.500	113.	70.0	57.	0.	0.	151.	59.	1.0
4	3.96 X	3.500	79.	111.0	53.	0.	0.	120.	57.	1.0
								91.	53.	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	91.21	72.98	190.2	0.9990	0.8092	1.0564	5684.
2	91.21	83.69	159.2	1.0010	0.8092	1.0465	6470.
3	91.21	93.62	125.2	1.0029	0.8092	1.0361	7179.
4	91.21	100.61	91.2	1.0068	0.8092	1.0259	7669.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	API G OF HYDROCARBONS	SP G FLOWING FLUID	CRITICAL PRES., PSIA	CRITICAL TEMP., R
1	0.30	521.	0.80	0.896	0.000	0.0	XXXXX	626.	648.
2	0.25	519.	0.80	0.913			1.527		
3	0.20	517.	0.80	0.932			XXXXX		
4	0.15	513.	0.79	0.950			XXXXX		

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	PC*PC =	PC*PC/(PC*PC-PW*PW) =	(PC*PC/(PC*PC-PW*PW))*N =	AOF (MCF/DAY) =
1	37.	192.	37.	30.					259.4
2	27.	163.	27.	41.					67.
3	17.	132.	17.	50.					1.1882
4	11.	103.	11.	57.					1.0900
									8360.

CALC WH OPEN FLOW = 8360. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY  
 COMMISSION:

CONDUCTED BY:

*Billy E. Frusher*

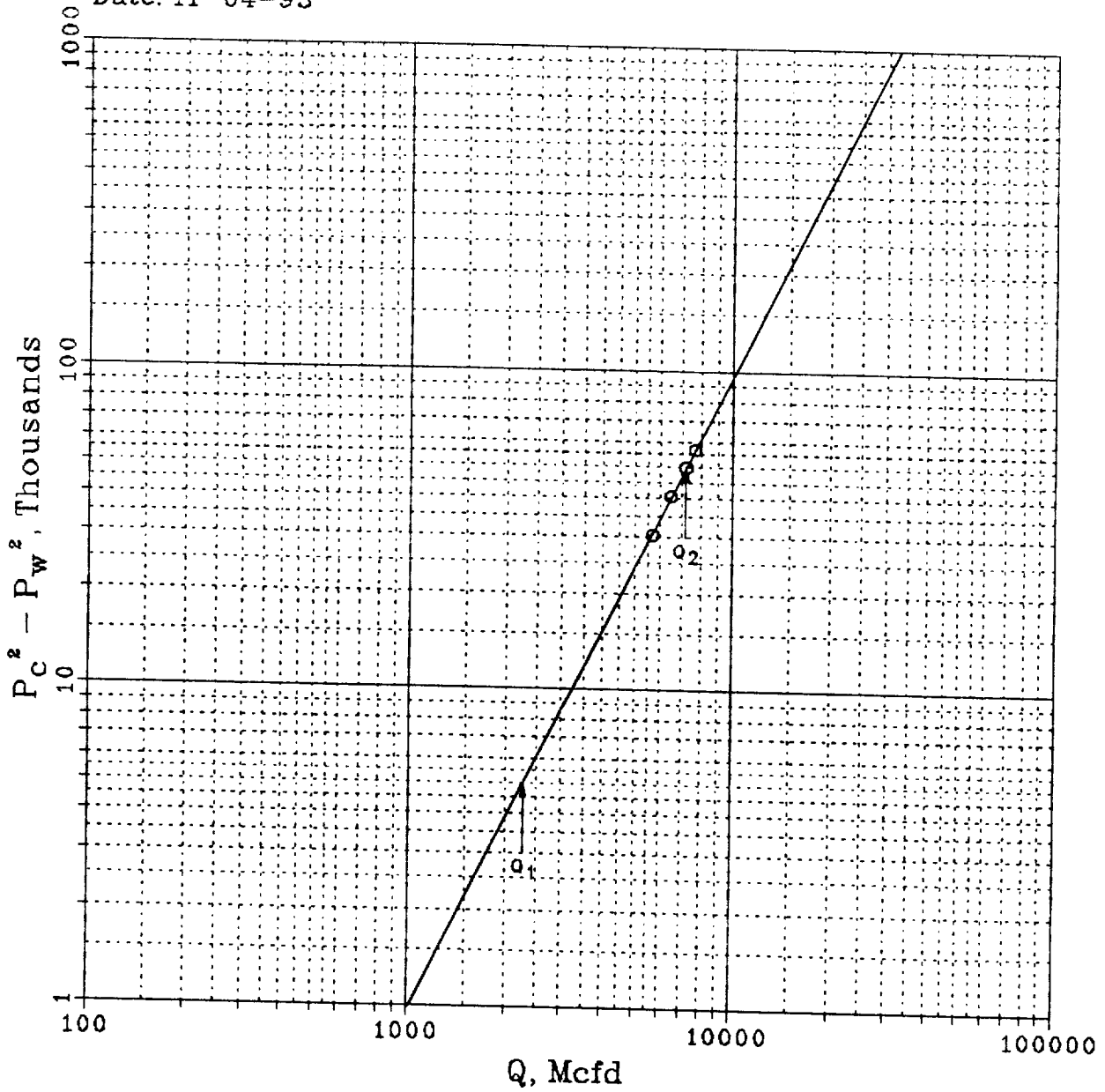
CALCULATED BY:

CHECKED BY:

*D. J. Ford*

GAS WELL  
BACK PRESSURE TEST

Company: Amoco Production Company  
 Well: 2132141G  
 Field/Pool: Bravo Dome  
 County: Harding  
 Date: 11-04-93



$Q_1 = 2278$ . Mcfd;  $\text{LOG } Q_1 = 3.35761$   
 $Q_2 = 7205$ . Mcfd;  $\text{LOG } Q_2 = 3.85763$   
 $n = 0.50002 = 0.500$