

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

Form C-122

UNIT : BDCDGU  
 LEASE :  
 WELL : 2132111G  
 S/T/R : 11,21,32  
 COUNTY: HARDING  
 STATE : NEW MEXICO

TYPE TEST: 4 POINT  
 : INITIAL  
 TEST DATE: 11/22/93

COMPANY: AMOCO PRODUCTION COMPANY  
 FIELD: BRAVO DOME POOL: N/A  
 COMPLETED 09-02-93 TD = 2430.  
 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 = 2418. ELEV = 4947.  
 SET AT 2430. PERF: 2251.- 2402.  
 SET AT 0. PERF: 0.- 0.  
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2430. FT. BARO. PRESS = 12.20 PSIA  
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2430.	2430.	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										
1	3.99 X	3.500	179.	67.0	60.	0.	0.	292.	50.	24.0
2	3.99 X	3.500	149.	94.0	60.	0.	0.	179.	60.	1.0
3	3.99 X	3.500	116.	137.0	58.	0.	0.	150.	60.	1.0
4	3.99 X	3.500	84.	204.0	57.	0.	0.	119.	58.	1.0
								90.	57.	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	89.83	113.18	191.2	1.0000	0.8092	1.0567	8694.
2	89.83	123.10	161.2	1.0000	0.8092	1.0472	9370.
3	89.83	132.53	128.2	1.0019	0.8092	1.0370	10009.
4	89.83	140.09	96.2	1.0029	0.8092	1.0274	10492.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	API G OF HYDROCARBONS	SP G SEPARATOR GAS	SP G FLOWING FLUID	CRITICAL PRES., PSIA	CRITICAL TEMP., R
1	0.31	520.	0.80	0.896	0.000	0.0	1.527	XXXXX	626.	648.
2	0.26	520.	0.80	0.912						
3	0.20	518.	0.80	0.930						
4	0.15	517.	0.80	0.947						

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.	191.	37.	56.					
2	26.	162.	26.	66.					
3	17.	131.	17.	76.					
4	10.	102.	10.	82.					
					304.5	93.	1.1269	1.0616	11138.

CALC WH OPEN FLOW = 11138. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY  
 COMMISSION:

CONDUCTED BY:

*Billy E. Brubaker*

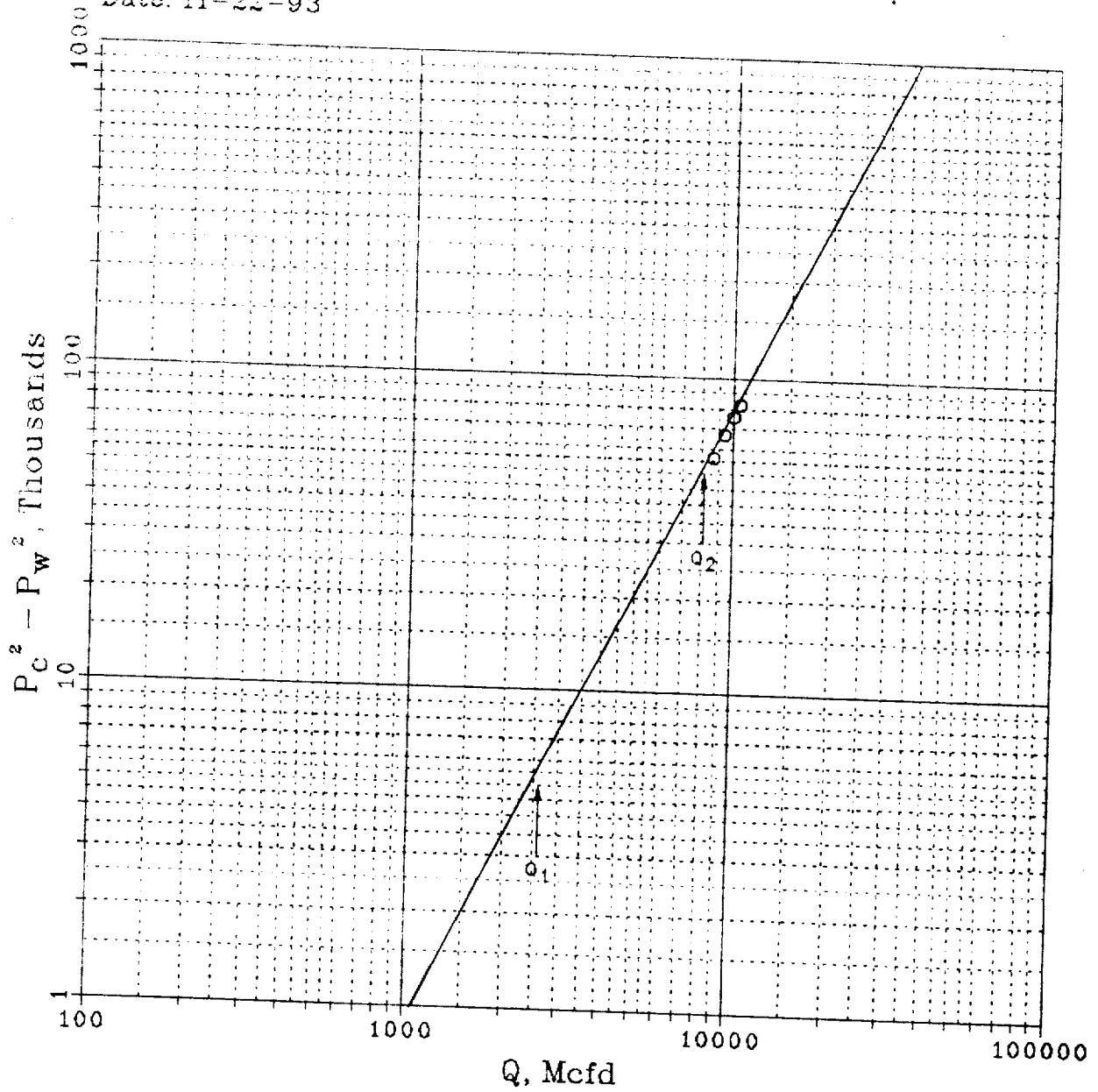
CALCULATED BY:

CHECKED BY:

*[Signature]*

GAS WELL  
BACK PRESSURE TEST

Company: Amoco Production Company  
Well: 2132111G  
Field/Pool: Bravo Dome  
County: Harding  
Date: 11-22-93



$Q_1 = 2586. \text{ Mcfd}; \text{ LOG } Q_1 = 3.41267$   
 $Q_2 = 8179. \text{ Mcfd}; \text{ LOG } Q_2 = 3.91269$   
 $n = 0.50002 = 0.500$