NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133281G
S/T/R : 28,21,33
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 11/29/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-13-93 TD = 2598.
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 = 2565. ELEV = 4968.
SET AT 2598. PERF: 2343.- 2535.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2598. FT.
BARO.PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2598.	2598.	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.		249.	50.	24.0
1	3.98	X 3.500	178.	29.0	60.	0.	0.	178.	60.	1.0
2	3.98	X 3.500	148.	34.0	61.	0.	0.	149.	61.	1.0
3	3.98	X 3.500	119.	35.0	60.	0.	0.	120.	60.	1.0
4	3.98	X 3.500	87.	34.0	58.	0.	0.	90.	58.	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	90.10	74.27	190.2	1.0000	0.8092	1.0564	5720.
2	90.10	73.80	160.2	0.9990	0.8092	1.0468	5627.
3	90.10	67.76	131.2	1.0000	0.8092	1.0379	5128.
4	90.10	58.08	99.2	1.0019	0.8092	1.0282	4362.

NO.	P(R)	TEMP. R	T(R)	Z
1	0.30	520.	0.80	0.896
2	0.26	521.	0.80	0.912
3	0.21	520.	0.80	0.928
4	0.16	518.	0.80	0.946

GAS LIQ RATIO, MCF/BBL		0.000
API G OF HYDROCARBONS		0.0
SP G SEPARATOR GAS	1.527	XXXXX
SP G FLOWING FLUID	XXXXX	1.527
CRITICAL PRES., PSIA	626.	626.
CRITICAL TEMP., R	648.	648.

NO.	PT*PT	PW	PW*PW	PC*PC -PW*PW
1	36.	190.	36.	32.
2	26.	161.	26.	42.
3	17.	132.	17.	51.
4	10.	102.	10.	58.

PC =	261.1
PC*PC =	68.
PC*PC/(PC*PC-PW*PW) =	2.1288
(PC*PC/(PC*PC-PW*PW))**N =	1.4591
AOF (MCF/DAY) =	8346.

CALC WH OPEN FLOW = 8346. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: See Rules & Procedure - NMOCD - Section III-A-5-d-2, Page III-5
Rates did not increase with pressure reduction - deliverability limited
AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY COMMISSION: _____

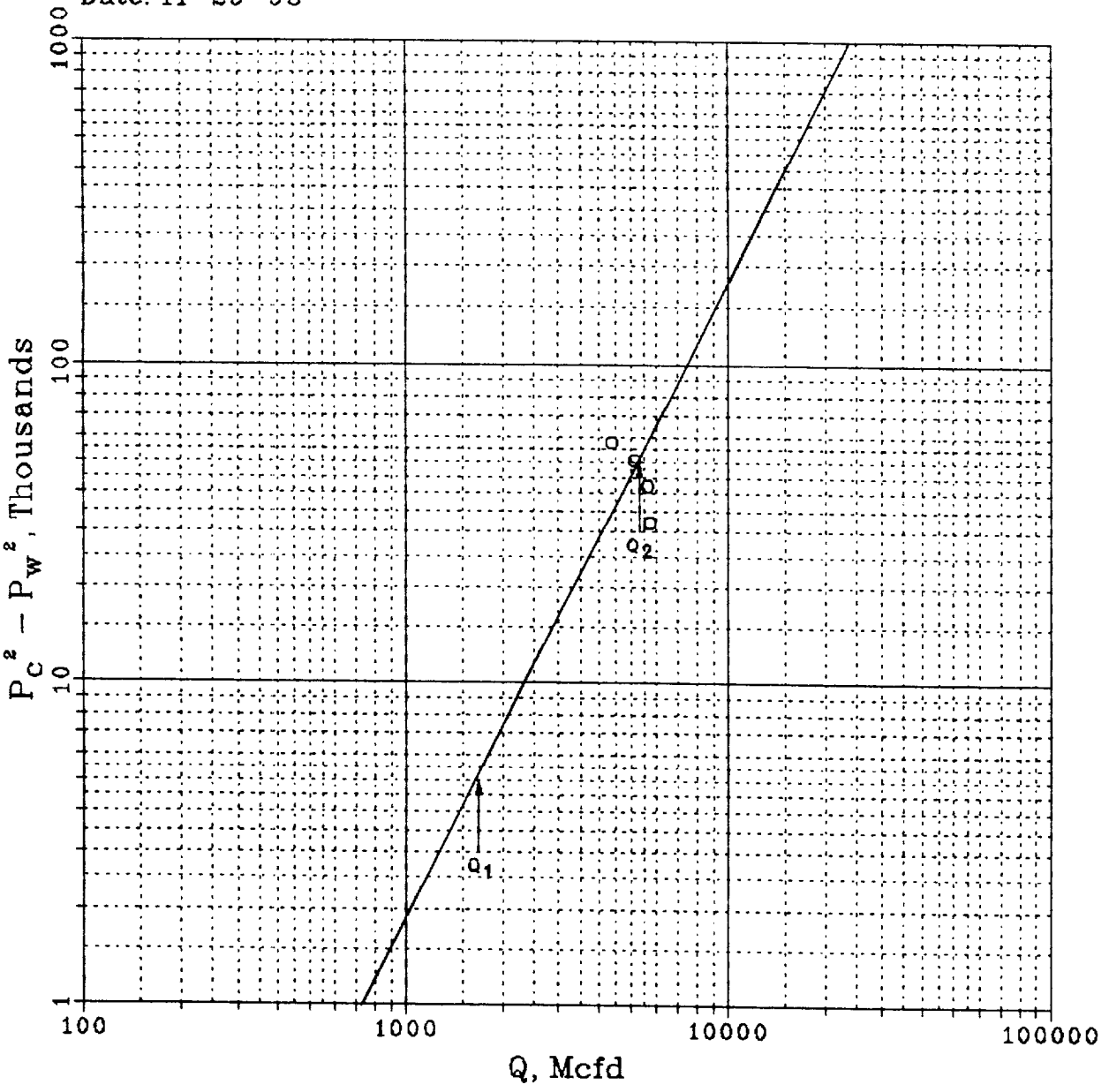
CONDUCTED BY: Billy E. Prichard

CALCULATED BY: _____

CHECKED BY: M. Hall

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133281G
Field/Pool: Bravo Dome
County: Harding
Date: 11-29-93



Q_1 = 1684. Mcfd; LOG Q_1 = 3.22623
Q_2 = 5324. Mcfd; LOG Q_2 = 3.72625
n = 0.50002 = 0.500