NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133141G
S/T/R : 14,21,33
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 10/27/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 08-18-93 TD = 2630.
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 = 2550. ELEV = 4854.
SET AT 2630. PERF: 2410. - 2464
SET AT 0. PERF: 0. - 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2630. FT.

BARO.PRESS = 12.30 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2630.	2630.	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	3.98	X 2.500	177.	126.0	62.	0.	0.	183.	62.	1.0
2	3.98	X 2.750	146.	132.0	61.	0.	0.	149.	61.	1.0
3	3.98	X 2.750	112.	207.0	59.	0.	0.	119.	59.	1.0
4	3.98	X 3.500	83.	66.0	57.	0.	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	32.76	154.40	189.2	0.9981	0.8092	1.0561	4314.
2	41.31	144.51	158.2	0.9990	0.8092	1.0462	5049.
3	41.31	160.34	124.2	1.0010	0.8092	1.0357	5557.
4	90.10	79.27	95.2	1.0029	0.8092	1.0271	5953.

NO.	P(R)	TEMP. R	T(R)	Z
1	0.30	522.	0.81	0.897
2	0.25	521.	0.80	0.914
3	0.20	519.	0.80	0.932
4	0.15	517.	0.80	0.948

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	38.	195.	38.	25.
2	26.	161.	26.	37.
3	17.	131.	17.	46.
4	10.	102.	10.	53.

PC =	251.5
PC*PC =	63.
PC*PC/(PC*PC-PW*PW) =	1.1978
(PC*PC/(PC*PC-PW*PW))**N =	1.0945
AOF (MCF/DAY) =	6515.

CALC WH OPEN FLOW = 6515. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY COMMISSION:

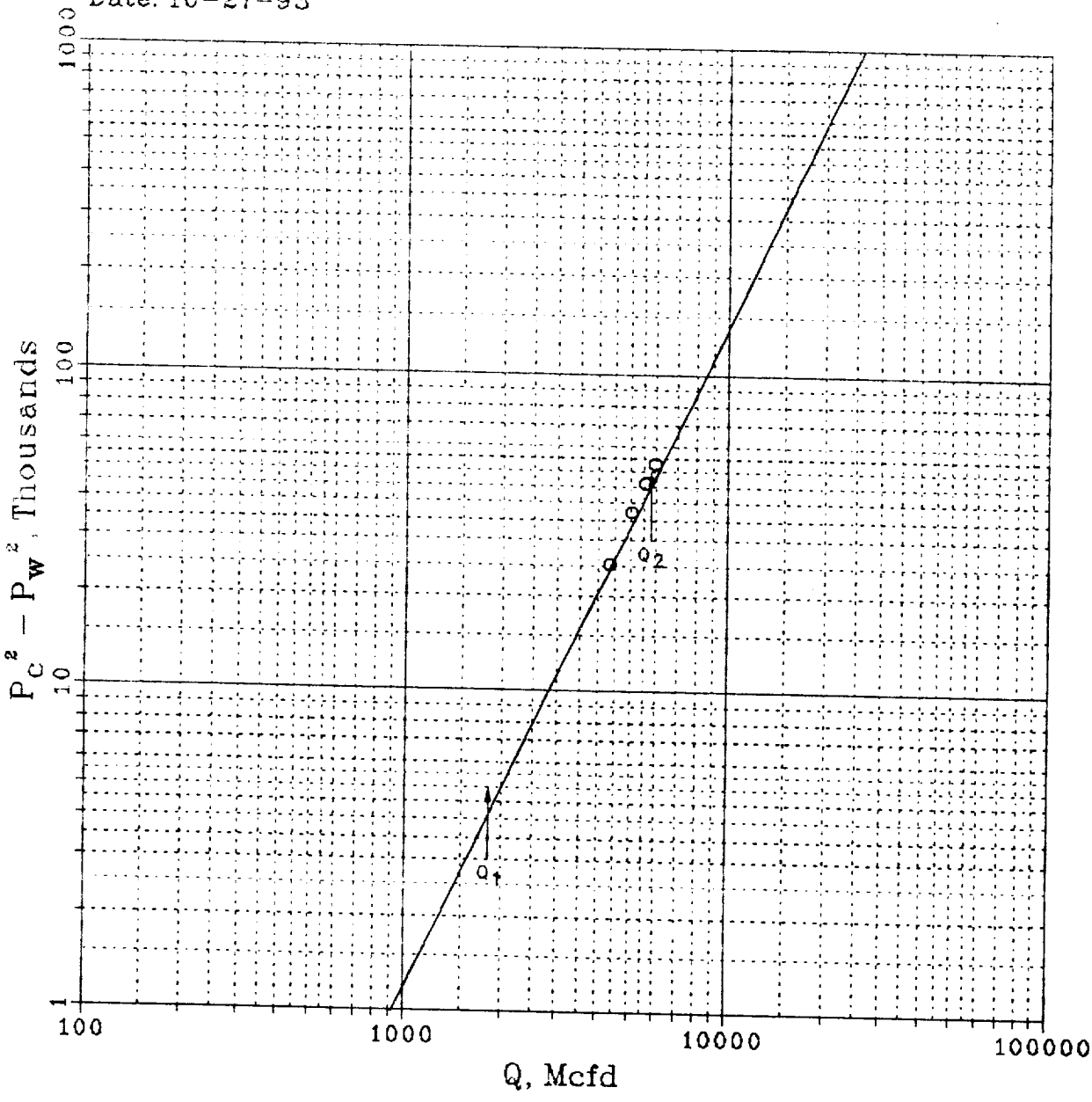
CONDUCTED BY: Billy E Ruckus

CALCULATED BY:

CHECKED BY: G Stone

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133141G
Field/Pool: Bravo Dome
County: Harding
Date: 10-27-93



Q_1 = 1832. Mcfd; LOG Q_1 = 3.26288
Q_2 = 5793. Mcfd; LOG Q_2 = 3.76290
n = 0.50002 = 0.500