

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133221G
 S/T/R : 22,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/19/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 08-07-93 TD = 2605.
 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 = 2585. ELEV = 4949.
 SET AT 2605. PERF: 2362.- 2538.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2605. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2605.	2605.	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	4.00	X 2.875	172.	170.0	56.	0.	0.	278.	50.	24.0
2	4.00	X 2.875	140.	240.0	54.	0.	0.	181.	56.	1.0
3	4.00	X 2.875	100.	399.0	50.	0.	0.	152.	54.	1.0
4	4.00	X 2.875	84.	480.0	49.	0.	0.	122.	50.	1.0
								90.	49.	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	46.17	176.96	184.2	1.0039	0.8092	1.0545	6998.
2	46.17	191.12	152.2	1.0058	0.8092	1.0444	7500.
3	46.17	211.58	112.2	1.0098	0.8092	1.0321	8238.
4	46.17	214.89	96.2	1.0107	0.8092	1.0274	8336.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.29	516.	0.80	0.899	API G OF HYDROCARBONS	0.0
2	0.24	514.	0.79	0.917	SP G SEPARATOR GAS	XXXXX
3	0.18	510.	0.79	0.939	SP G FLOWING FLUID	1.527
4	0.15	509.	0.79	0.947	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	290.5
1	37.	193.	37.	47.	PC*PC =	84.
2	27.	164.	27.	57.	PC*PC/(PC*PC-PW*PW) =	1.1416
3	18.	134.	18.	66.	(PC*PC/(PC*PC-PW*PW))*N =	1.0685
4	10.	102.	10.	74.	AOE (MCF/DAY) =	8907.

CALC WH OPEN FLOW = 8907. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

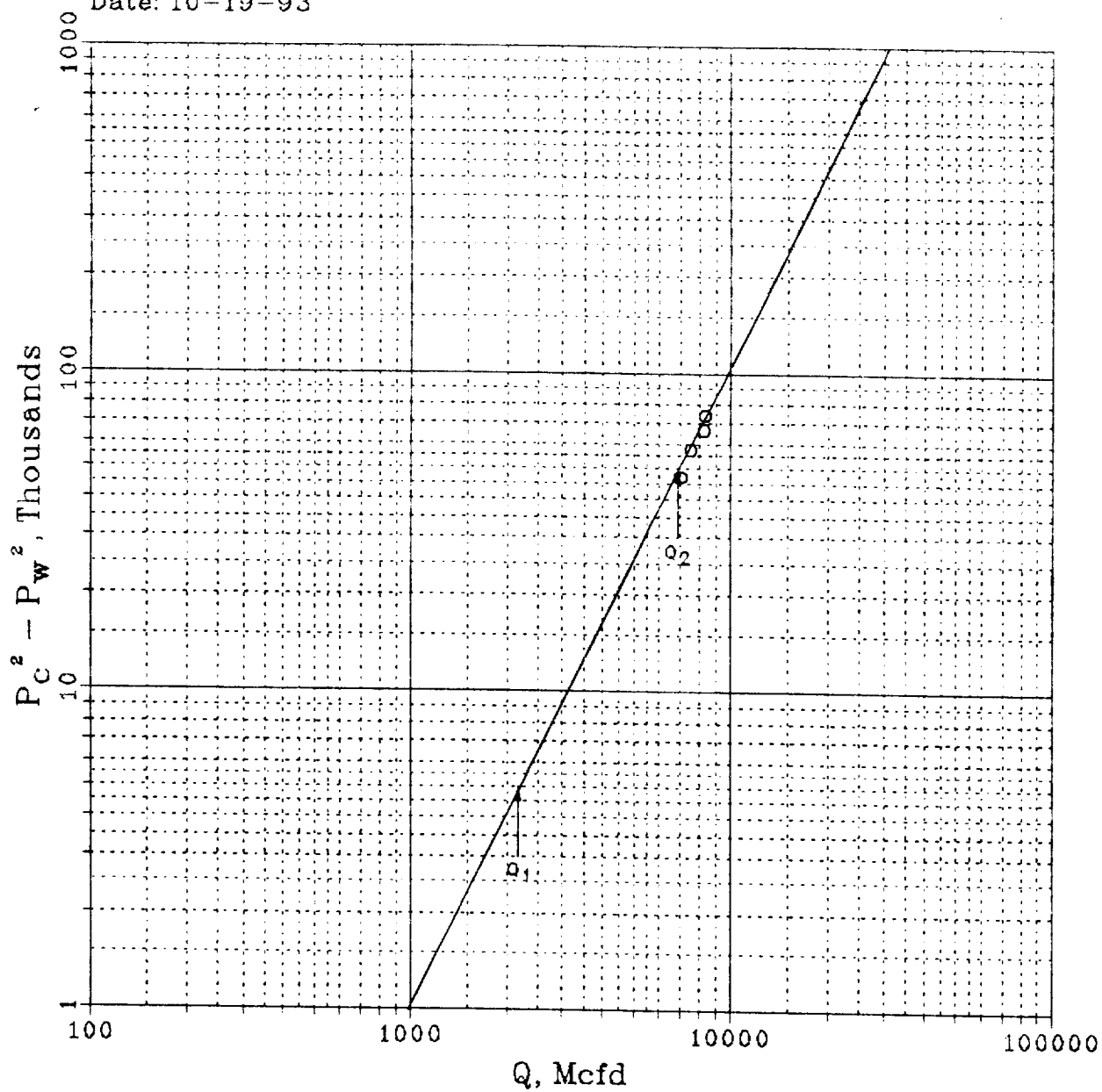
CHECKED BY:

Billy E. Brubaker

J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133221G
Field/Pool: Bravo Dome
County: Harding
Date: 10-19-93



$$\begin{aligned} Q_1 &= 2168. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.33603 \\ Q_2 &= 6856. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.83605 \\ & & n &= 0.50002 = 0.500 \end{aligned}$$