

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133031G
S/T/R : 03,21,33
COUNTY : HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 12/27/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 08-14-93 TD = 2424.
CSG SIZE = 4.5000 WT = 4.56
TBG SIZE = 0.0000 WT = 0.00
TYPE COMPLETION: SINGLE
PRODUCING THROUGH: OPENHOLE

CONNECTION: BRAVO DOME PLANT
RESERVOIR: TUBB
PBD = 2424. ELEV = 4877.
SET AT 2237. PERF: 0. 0.
SET AT 0. PERF: 0. 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2424. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2424.	2424.	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.		263.	50.	24.0
1	3.99 X	2.500	178.	1.1	58.	0.	0.	180.	58.	1.0
2	3.99 X	2.500	151.	1.9	58.	0.	0.	153.	58.	1.0
3	3.99 X	2.500	120.	3.8	58.	0.	0.	120.	58.	1.0
4	3.99 X	2.500	85.	7.2	59.	0.	0.	86.	59.	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	32.74	14.40	190.2	1.0019	0.8092	1.0564	404.
2	32.74	17.56	163.2	1.0019	0.8092	1.0478	488.
3	32.74	22.35	132.2	1.0019	0.8092	1.0382	616.
4	32.74	26.45	97.2	1.0010	0.8092	1.0277	721.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.30	518.	0.80	0.896	API G OF HYDROCARBONS	0.0
2	0.26	518.	0.80	0.911	SP G SEPARATOR GAS	1.527
3	0.21	518.	0.80	0.928	SP G FLOWING FLUID	XXXXX
4	0.16	519.	0.80	0.947	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	275.5
1	37.	192.	37.	39.	PC*PC =	76.
2	27.	165.	27.	49.	PC*PC/(PC*PC-PW*PW) =	1.1455
3	17.	132.	17.	58.	(PC*PC/(PC*PC-PW*PW))*N =	1.1455
4	10.	98.	10.	66.	AOE (MCF/DAY) =	826.

CALC WH OPEN FLOW = 826. MCFD @ 15.025; SLOPE ANGLE = 45.0; N = 1.000

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

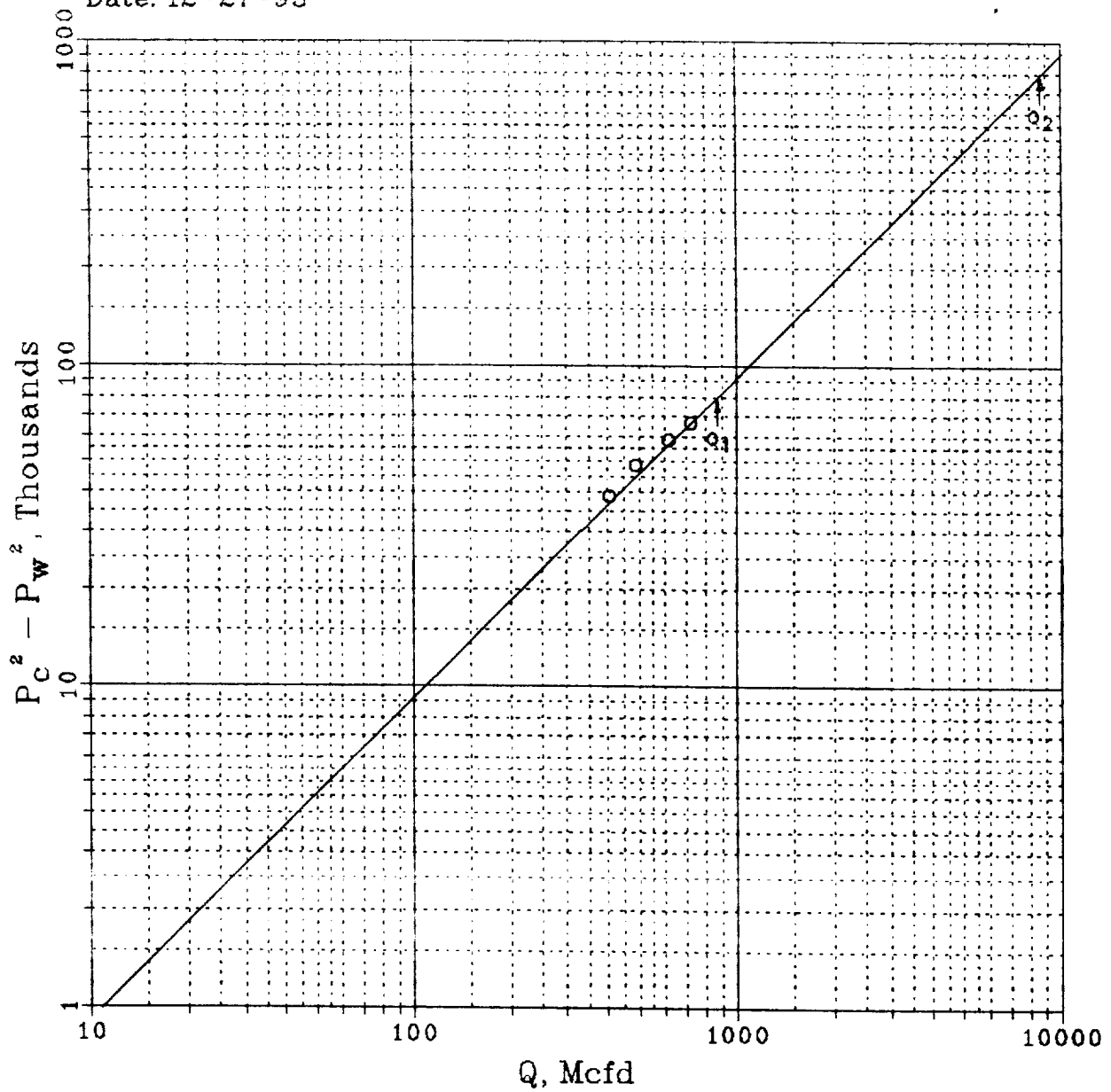
CHECKED BY:

Billy E. Prichard

J. J. Hoot

GAS WELL
BACK PRESSURE TEST

Company: Ameco Production Company
Well: 2133031G
Field/Pool: Bravo Dome
County: Harding
Date: 12-27-93



$$\begin{aligned} Q_1 &= 871. \text{ Mcfd}; \quad \text{LOG } Q_1 = 2.93982 \\ Q_2 &= 8706. \text{ Mcfd}; \quad \text{LOG } Q_2 = 3.93982 \\ n &= 1.00000 = 1.000 \end{aligned}$$