

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133191G
 S/T/R : 19,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/ 8/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 07-20-93 TD = 2551.
 CSG SIZE = 5.5000 WT = 14.00
 TBG SIZE = 2.8750 WT = 1.70
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING

CONNECTION: BRAVO DOME PLANT
 RESERVOIR: TUBB
 PBD = 2444. ELEV = 4941.
 SET AT 2551. PERF: 2266.- 2387.
 SET AT 2275. PERF: 0.- 0.
 PACKER SET AT: 2238.

RESERVOIR TEMP., F = 95. @ 2551. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2551.	2551.	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						294.	50.	0.		24.0
1	3.98 X	2.125	176.	88.0	56.	180.	56.	0.	0.	1.0
2	3.98 X	2.125	144.	121.0	55.	149.	55.	0.	0.	1.0
3	3.98 X	2.500	116.	78.0	53.	120.	53.	0.	0.	1.0
4	3.98 X	2.500	85.	110.0	50.	91.	50.	0.	0.	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	22.64	128.69	188.2	1.0039	0.8092	1.0557	2499.
2	22.64	137.48	156.2	1.0048	0.8092	1.0456	2647.
3	32.76	100.00	128.2	1.0068	0.8092	1.0370	2767.
4	32.76	103.40	97.2	1.0098	0.8092	1.0277	2844.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.30	516.	0.80	0.897	GAS LIQ RATIO, MCF/BBL	0.000
2	0.25	515.	0.79	0.915	API G OF HYDROCARBONS	0.0
3	0.20	513.	0.79	0.930	SP G SEPARATOR GAS	1.527 XXXXX
4	0.16	510.	0.79	0.947	SP G FLOWING FLUID	XXXXXX 1.527
					CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	195.	38.	56.	PC =	306.5
2	26.	165.	27.	67.	PC*PC =	94.
3	17.	137.	19.	75.	PC*PC/(PC*PC-PW*PW) =	1.1460
4	11.	109.	12.	82.	(PC*PC/(PC*PC-PW*PW))*N =	1.0705
					AOE (MCF/DAY) =	3045.

CALC WH OPEN FLOW = 3045. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

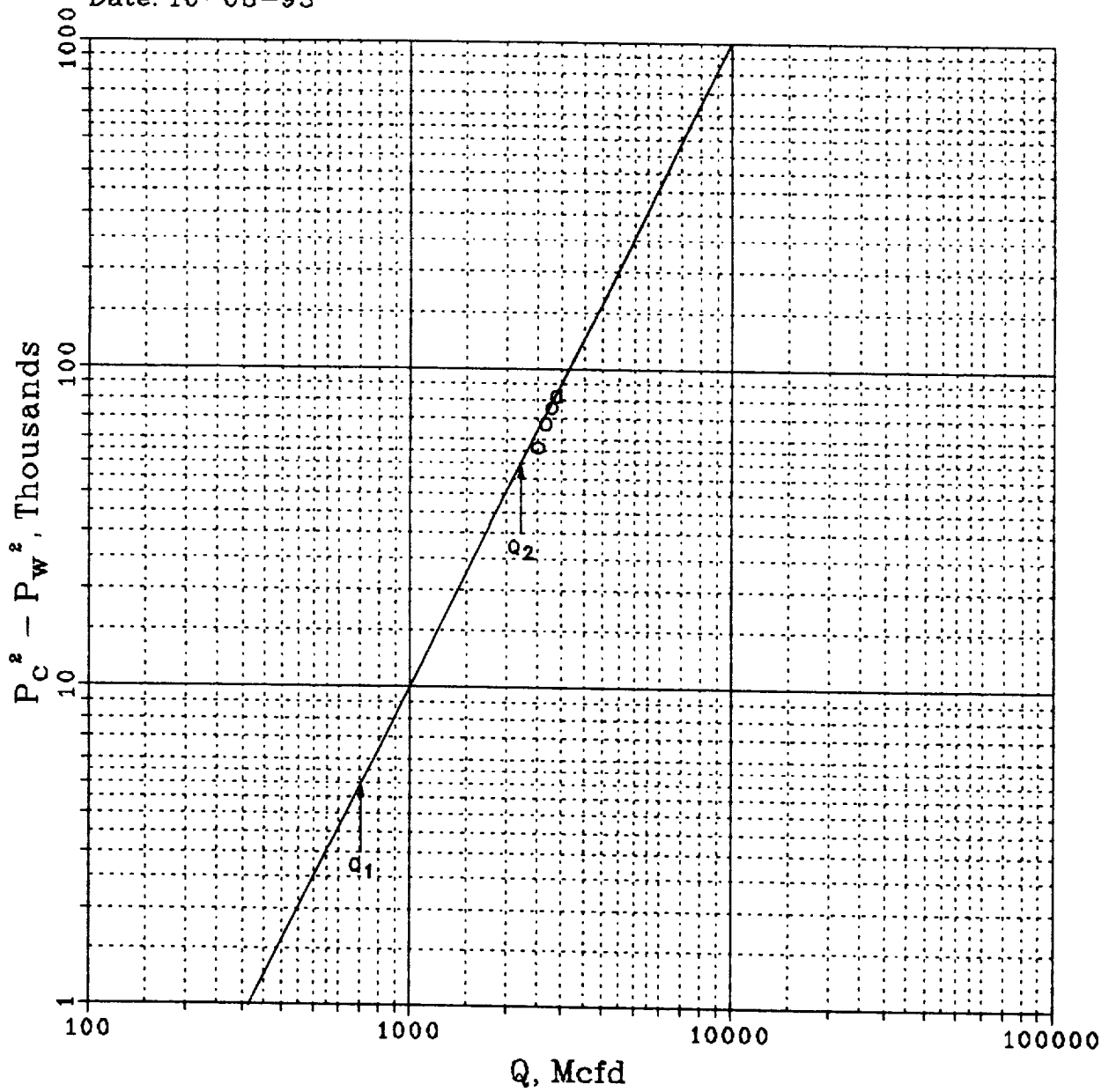
CHECKED BY:

Bill E. Kuntze

B. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133191G
Field/Pool: Bravo Dome
County: Harding
Date: 10-08-93



$$\begin{aligned}
 Q_1 &= 702. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.84652 \\
 Q_2 &= 2221. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.34653 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$