

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2132251G
 S/T/R : 25,21,32
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/11/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-17-93 TD = 2500.
 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 = 2484. ELEV = 4922.
 SET AT 2500. PERF: 2268.- 2458.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2500. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2500.	2500.	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	3.98 X	3.500	180.	13.0	61.	0.	0.	239.	50.	24.0
2	3.98 X	3.500	148.	21.0	60.	0.	0.	181.	61.	1.0
3	3.98 X	3.500	115.	34.0	59.	0.	0.	150.	60.	1.0
4	3.98 X	3.500	86.	47.0	57.	0.	0.	118.	59.	1.0
								91.	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	90.26	49.99	192.2	0.9990	0.8092	1.0570	3855.
2	90.26	58.00	160.2	1.0000	0.8092	1.0468	4435.
3	90.26	65.76	127.2	1.0010	0.8092	1.0367	4984.
4	90.26	67.94	98.2	1.0029	0.8092	1.0279	5115.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	521.	0.80	0.895	API G OF HYDROCARBONS	0.0
2	0.26	520.	0.80	0.912	SP G SEPARATOR GAS	1.527
3	0.20	519.	0.80	0.931	SP G FLOWING FLUID	XXXXX
4	0.16	517.	0.80	0.946	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	251.4
1	37.	193.	37.	26.	PC*PC =	63.
2	26.	162.	26.	37.	PC*PC/(PC*PC-PW*PW) =	1.2025
3	17.	130.	17.	46.	(PC*PC/(PC*PC-PW*PW))*N =	1.0966
4	11.	103.	11.	53.	AOE (MCF/DAY) =	5610.

CALC WH OPEN FLOW = 5610. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

Billy E. Pruden

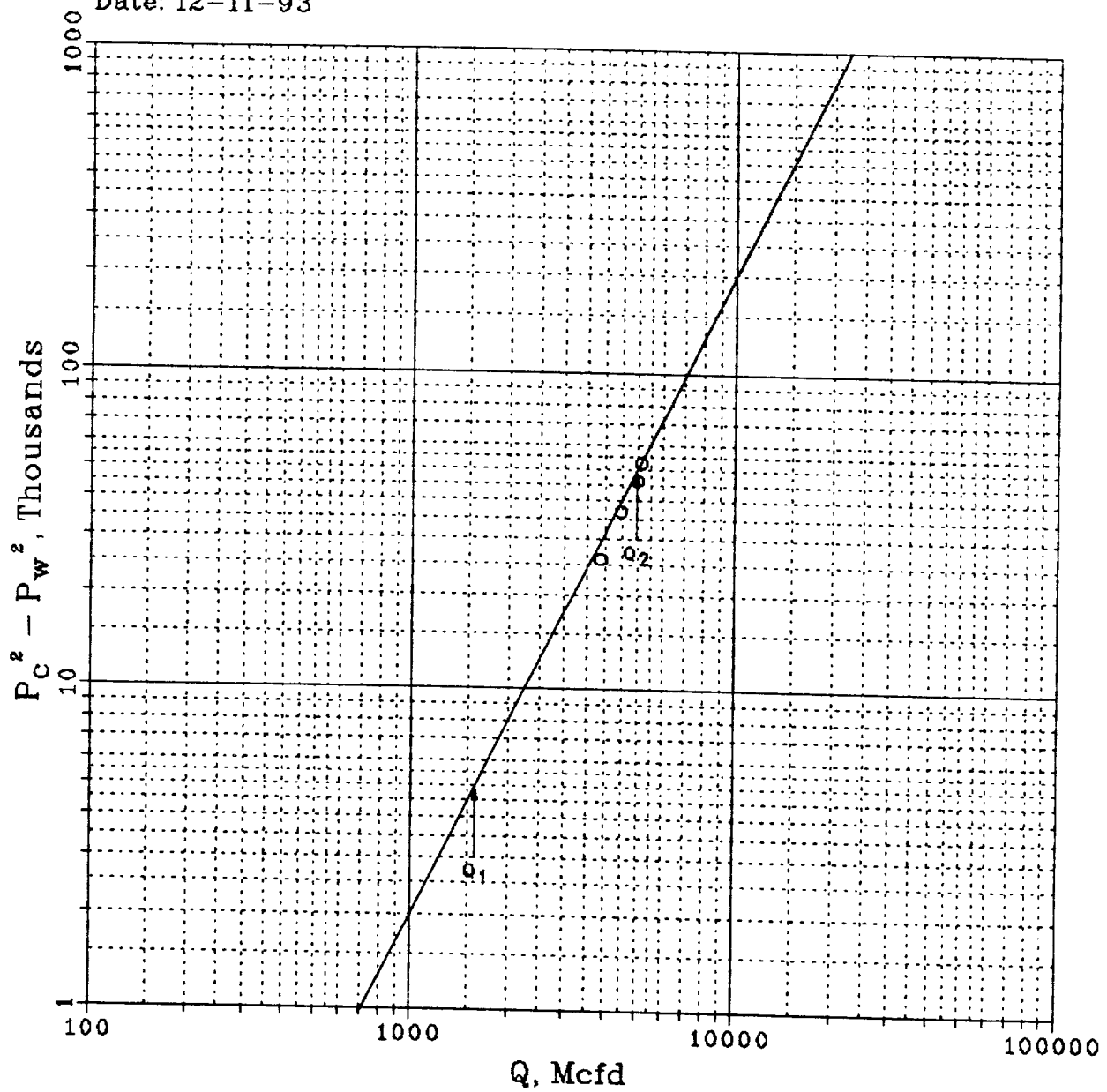
CALCULATED BY:

CHECKED BY:

B. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2132251G
 Field/Pool: Bravo Dome
 County: Harding
 Date: 12-11-93



$$\begin{aligned}
 Q_1 &= 1577. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.19797 \\
 Q_2 &= 4989. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.69798 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$