

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133251G
 S/T/R : 25,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 11/24/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-13-93 TD = 2629.
 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 = 2596. ELEV = 4982.
 SET AT 2629. PERF: 2432.- 2533.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2629. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2629.	2629.	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	3.99 X	3.500	178.	16.0	61.	0.	0.	222.	50.	24.0
2	3.99 X	3.500	145.	31.0	60.	0.	0.	181.	61.	1.0
3	3.99 X	3.500	110.	55.0	57.	0.	0.	120.	57.	1.0
4	3.99 X	3.500	70.	92.0	53.	0.	0.	92.	53.	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	89.78	55.17	190.2	0.9990	0.8092	1.0564	4229.
2	89.78	69.81	157.2	1.0000	0.8092	1.0459	5304.
3	89.78	81.98	122.2	1.0029	0.8092	1.0351	6183.
4	89.78	86.96	82.2	1.0068	0.8092	1.0232	6508.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.30	521.	0.80	0.896	API G OF HYDROCARBONS	0.000
2	0.25	520.	0.80	0.914	SP G SEPARATOR GAS	0.0
3	0.20	517.	0.80	0.933	SP G FLOWING FLUID	XXXXX
4	0.13	513.	0.79	0.955	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	193.	37.	18.	PC =	234.4
2	26.	162.	26.	29.	PC*PC =	55.
3	17.	132.	17.	37.	PC*PC/(PC*PC-PW*PW) =	1.2466
4	11.	104.	11.	44.	(PC*PC/(PC*PC-PW*PW))*N =	1.1165
					AOE (MCF/DAY) =	7266.

CALC WH OPEN FLOW = 7266. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

Riley E. Pruehue

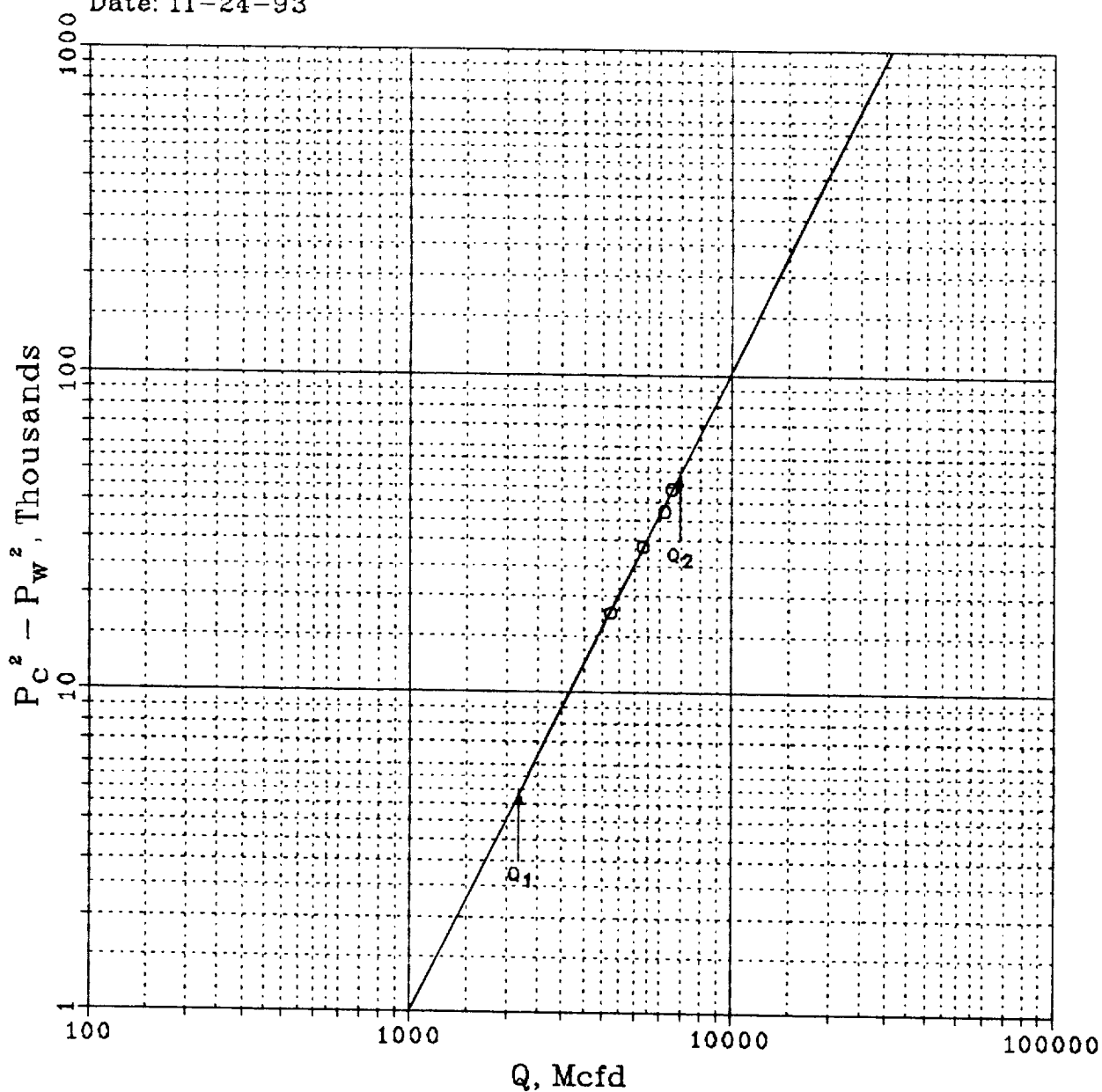
CALCULATED BY:

CHECKED BY:

D. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2133251G
 Field/Pool: Bravo Dome
 County: Harding
 Date: 11-24-93



$$\begin{aligned}
 Q_1 &= 2192. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.34077 \\
 Q_2 &= 6931. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.84079 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$