

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133181G
 S/T/R : 18,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/18/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 08-09-93 TD = 2435.
 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 = 2387. ELEV = 4858.
 SET AT 2435. PERF: 2178.- 2312.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2435. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2435.	2435.	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.		252.	50.	24.0
1	3.98 X	2.875	175.	157.0	60.	0.	0.	181.	60.	1.0
2	3.98 X	2.875	142.	202.0	57.	0.	0.	150.	57.	1.0
3	3.98 X	2.875	107.	313.0	54.	0.	0.	121.	54.	1.0
4	3.98 X	2.875	90.	374.0	52.	0.	0.	109.	52.	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	46.34	171.44	187.2	1.0000	0.8092	1.0554	6785.
2	46.34	176.49	154.2	1.0029	0.8092	1.0450	6936.
3	46.34	193.16	119.2	1.0058	0.8092	1.0342	7535.
4	46.34	195.51	102.2	1.0078	0.8092	1.0291	7604.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.30	520.	0.80	0.898	API G OF HYDROCARBONS	0.0
2	0.25	517.	0.80	0.916	SP G SEPARATOR GAS	1.527 XXXXX
3	0.19	514.	0.79	0.935	SP G FLOWING FLUID	XXXXX 1.527
4	0.16	512.	0.79	0.944	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	264.5
1	37.	193.	37.	33.	PC =	70.
2	26.	162.	26.	44.	PC*PC =	1.2663
3	18.	133.	18.	52.	PC*PC/(PC*PC-PW*PW) =	1.1253
4	15.	121.	15.	55.	(PC*PC/(PC*PC-PW*PW))*N =	8556.
					AOE (MCF/DAY) =	

CALC WH OPEN FLOW = 8556. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

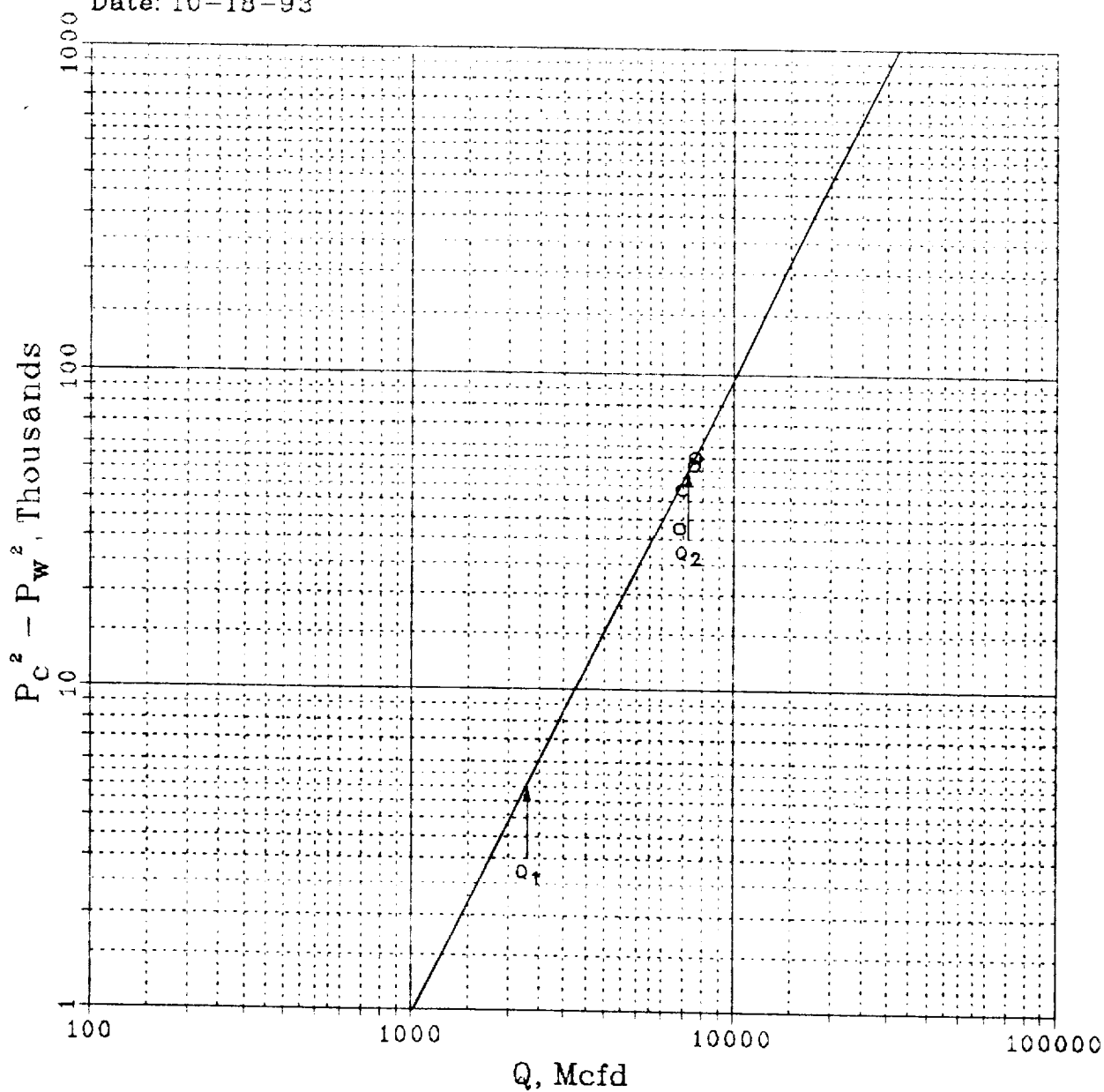
CHECKED BY:

Bill E. Prueber

W. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133181G
Field/Pool: Bravo Dome
County: Harding
Date: 10-18-93



$$\begin{aligned} Q_1 &= 2288. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.35940 \\ Q_2 &= 7235. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.85942 \\ n &= 0.50002 = 0.500 \end{aligned}$$