

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2233341G
 S/T/R : 34,22,33
 COUNTY : UNION
 STATE : NEW MEXICO
 COMPANY : AMOCO PRODUCTION COMPANY
 FIELD : BRAVO DOME POOL : N/A
 COMPLETED 08-02-93 TD = 2342.
 CSG SIZE = 4.5000 WT = 4.56
 TBG SIZE = 0.0000 WT = 0.00
 TYPE COMPLETION : SINGLE
 PRODUCING THROUGH : CASING

TYPE TEST : 4 POINT
 : INITIAL
 TEST DATE : 10/ 6/93

CONNECTION : BRAVO DOME PLANT
 RESERVOIR : TUBB
 PBD = 2331. ELEV = 4723.
 SET AT 2342. PERF : 2180.- 2250.
 SET AT 0. PERF : 0.- 0.
 PACKER SET AT : 0.

RESERVOIR TEMP., F = 95. @ 2342. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2342.	2342.	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.		240.	50.	24.0
1	4.00 X	2.750	182.	65.0	63.	0.	0.	180.	63.	1.0
2	4.00 X	2.750	151.	105.0	62.	0.	0.	150.	62.	1.0
3	4.00 X	2.875	118.	168.0	60.	0.	0.	120.	60.	1.0
4	4.00 X	2.875	86.	194.0	58.	0.	0.	90.	58.	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	41.22	112.35	194.2	0.9971	0.8092	1.0577	3952.
2	41.22	130.90	163.2	0.9981	0.8092	1.0478	4566.
3	46.18	147.90	130.2	1.0000	0.8092	1.0376	5735.
4	46.18	138.02	98.2	1.0019	0.8092	1.0279	5312.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	523.	0.81	0.894	API G OF HYDROCARBONS	0.0
2	0.26	522.	0.81	0.911	SP G SEPARATOR GAS	1.527
3	0.21	520.	0.80	0.929	SP G FLOWING FLUID	XXXXX
4	0.16	518.	0.80	0.946	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	252.4
1	37.	192.	37.	27.	PC*PC =	64.
2	26.	162.	26.	37.	PC*PC/(PC*PC-PW*PW) =	1.3775
3	17.	132.	17.	46.	(PC*PC/(PC*PC-PW*PW))*N =	1.2453
4	10.	102.	10.	53.	AOE (MCF/DAY) =	7141.

CALC WH OPEN FLOW = 7141. MCFD @ 15.025; SLOPE ANGLE = 55.6; N = 0.685

REMARKS : AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

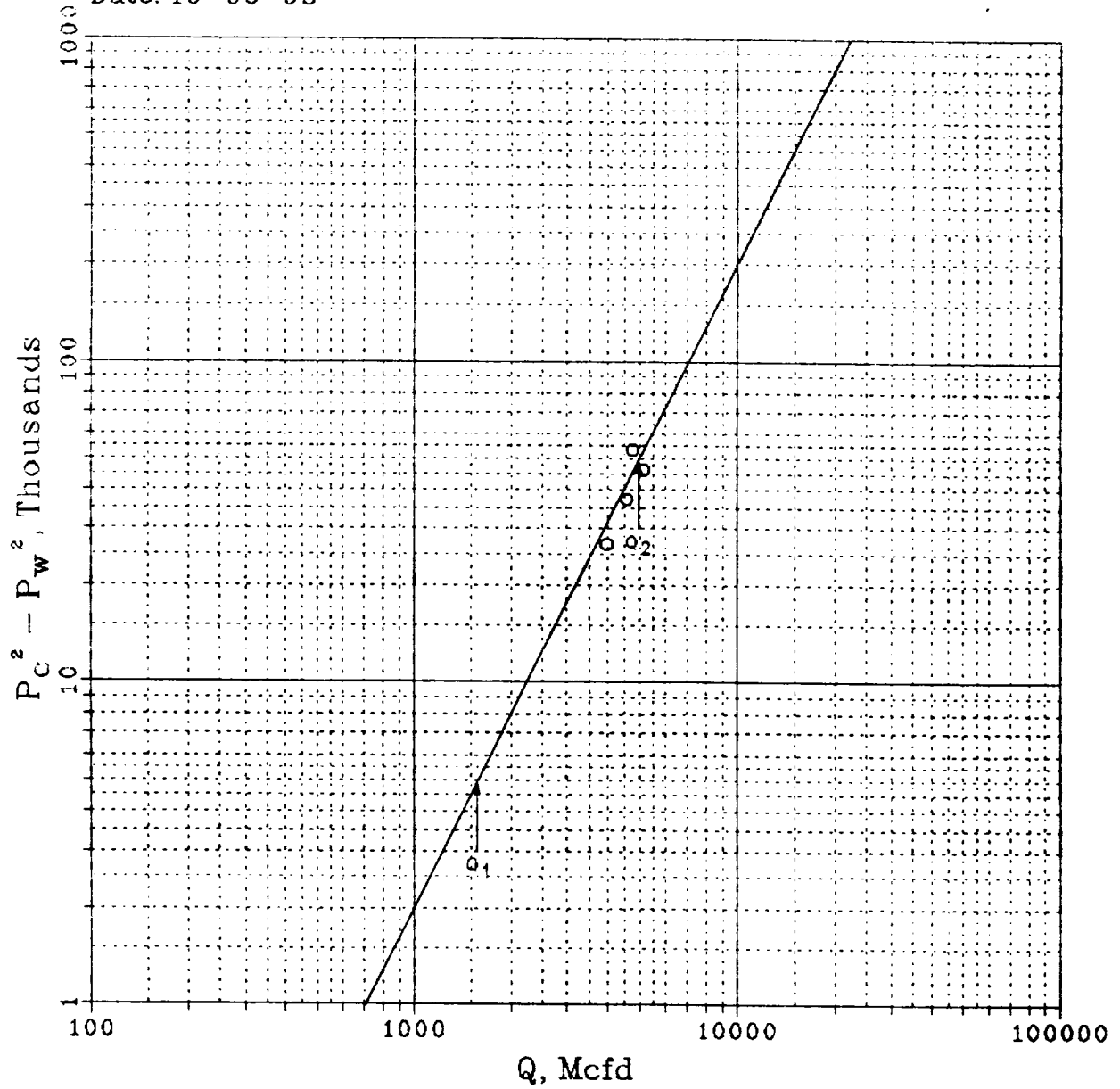
CHECKED BY:

Billy E. Pruhar

[Signature]

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2233341G
Field/Pool: Bravo Dome
County: Union
Date: 10-06-93



$Q_1 = 1568$. Mcfd; $\text{LOG } Q_1 = 3.19533$
 $Q_2 = 4958$. Mcfd; $\text{LOG } Q_2 = 3.69534$
 $n = 0.50002 = 0.500$