

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2132351G
S/T/R : 35,21,32
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 12/13/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-17-93 TD = 2426.
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 = 2390. ELEV = 4857.
SET AT 2426. PERF: 2174.- 2280.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2426. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2426.	2426.	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	180.	10.0	60.	0.	0.	228.	50.	24.0
2	3.99 X	3.500	147.	19.0	60.	0.	0.	180.	60.	1.0
3	3.99 X	3.500	118.	29.0	58.	0.	0.	149.	60.	1.0
4	3.99 X	3.500	86.	46.0	56.	0.	0.	120.	58.	1.0
								92.	56.	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	89.73	43.84	192.2	1.0000	0.8092	1.0570	3364.
2	89.73	55.00	159.2	1.0000	0.8092	1.0465	4179.
3	89.73	61.45	130.2	1.0019	0.8092	1.0376	4638.
4	89.73	67.21	98.2	1.0039	0.8092	1.0279	5035.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	520.	0.80	0.895	API G OF HYDROCARBONS	0.0
2	0.25	520.	0.80	0.913	SP G SEPARATOR GAS	1.527 XXXXX
3	0.21	518.	0.80	0.929	SP G FLOWING FLUID	XXXXX 1.527
4	0.16	516.	0.80	0.946	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	240.4
1	37.	192.	37.	21.	PC =	58.
2	26.	161.	26.	32.	PC*PC =	1.2313
3	17.	132.	17.	40.	PC*PC/(PC*PC-PW*PW) =	1.1096
4	11.	104.	11.	47.	(PC*PC/(PC*PC-PW*PW))*N =	5588.
					AOE (MCF/DAY) =	

CALC WH OPEN FLOW = 5588. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

Billy E. Prater

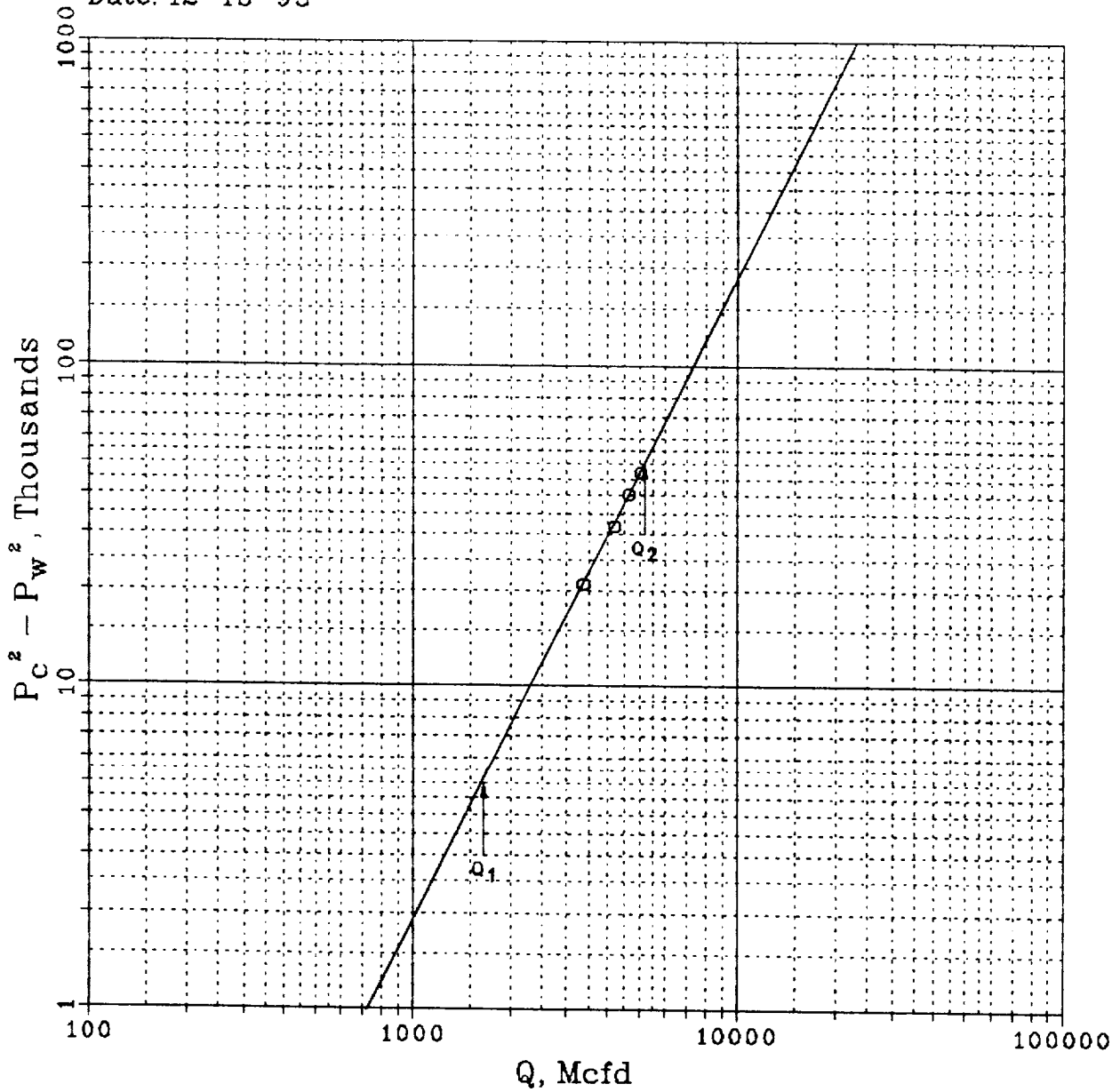
CALCULATED BY:

CHECKED BY:

A. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2132351G
Field/Pool: Bravo Dome
County: Harding
Date: 12-13-93



$$\begin{aligned}
 Q_1 &= 1643. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.21571 \\
 Q_2 &= 5197. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.71573 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$