

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2132021K
S/T/R : 02,21,32
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 12/ 9/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-20-93 TD = 2573.
CSG SIZE = 5.5000 WT = 14.00
TBG SIZE = 2.8750 WT = 1.70
TYPE COMPLETION: SINGLE
PRODUCING THROUGH: TUBING

CONNECTION: BRAVO DOME PLANT
RESERVOIR: TUBB
PBD = 2418. ELEV = 4930.
SET AT 2572. PERF: 2197.- 2375.
SET AT 2189. PERF: 0.- 0.
PACKER SET AT: 2159.

RESERVOIR TEMP., F = 95. @ 2573. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2573.	2573.	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	2.750	178.	15.0	58.	280.	50.	0.		24.0
2	3.99 X	2.750	147.	23.0	57.	180.	58.	0.	0.	1.0
3	3.99 X	2.750	117.	33.0	55.	151.	57.	0.	0.	1.0
4	3.99 X	2.750	87.	46.0	53.	120.	55.	0.	0.	1.0
						91.	53.	0.	0.	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	41.31	53.41	190.2	1.0019	0.8092	1.0564	1890.
2	41.31	60.51	159.2	1.0029	0.8092	1.0465	2123.
3	41.31	65.30	129.2	1.0048	0.8092	1.0373	2275.
4	41.31	67.55	99.2	1.0068	0.8092	1.0282	2337.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	API G OF HYDROCARBONS	SP G SEPARATOR GAS	SP G FLOWING FLUID	CRITICAL PRES., PSIA	CRITICAL TEMP., R
1	0.30	518.	0.80	0.896	0.000	0.0	1.527	XXXXX	626.	648.
2	0.25	517.	0.80	0.913						
3	0.21	515.	0.79	0.929						
4	0.16	513.	0.79	0.946						

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	PC*PC =	PC*PC/(PC*PC-PW*PW) =	(PC*PC/(PC*PC-PW*PW))*N =	AOE (MCF/DAY) =
1	37.	194.	37.	48.					292.5
2	27.	165.	27.	58.					86.
3	17.	135.	18.	67.					1.1561
4	11.	107.	12.	74.					1.0752
									2513.

CALC WH OPEN FLOW = 2513. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

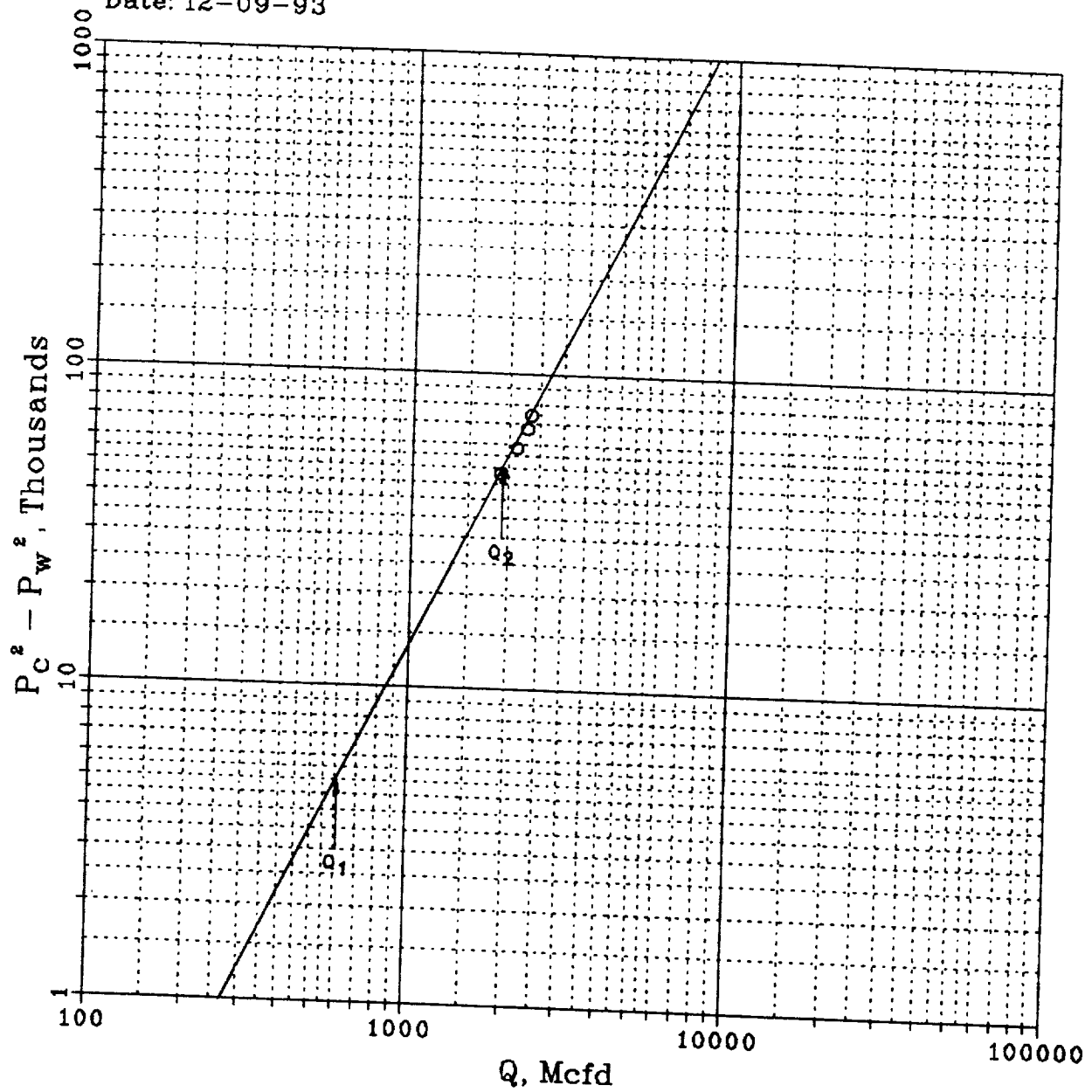
CHECKED BY:

Billy E. Kuhn

L. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2132021K
Field/Pool: Bravo Dome
County: Harding
Date: 12-09-93



$$\begin{aligned}
 Q_1 &= 608. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.78357 \\
 Q_2 &= 1921. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.28359 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$