

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133291G
S/T/R : 29,21,33
COUNTY : HARDING
STATE : NEW MEXICO

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

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-17-93 TD = 2585.
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 = 2555. ELEV = 4964.
SET AT 2585. PERF: 2341.- 2514.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2585. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2585.	2585.	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	4.00 X	3.500	179.	21.0	60.	0.	0.	239.	50.	24.0
2	4.00 X	3.500	147.	34.0	58.	0.	0.	180.	60.	1.0
3	4.00 X	3.500	118.	51.0	57.	0.	0.	150.	58.	1.0
4	4.00 X	3.500	75.	95.0	52.	0.	0.	124.	57.	1.0
								88.	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	89.51	63.37	191.2	1.0000	0.8092	1.0567	4850.
2	89.51	73.57	159.2	1.0019	0.8092	1.0465	5588.
3	89.51	81.49	130.2	1.0029	0.8092	1.0376	6142.
4	89.51	91.02	87.2	1.0078	0.8092	1.0247	6808.

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	0.31	520.	0.80	0.896	0.000	0.0	1.527	XXXXX	626.	648.
2	0.25	518.	0.80	0.913						
3	0.21	517.	0.80	0.929						
4	0.14	512.	0.79	0.952						

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.	192.	37.	26.					
2	26.	162.	26.	37.					
3	19.	136.	19.	45.					
4	10.	100.	10.	53.					
					251.5	63.	1.1890	1.0904	7423.

CALC WH OPEN FLOW = 7423. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

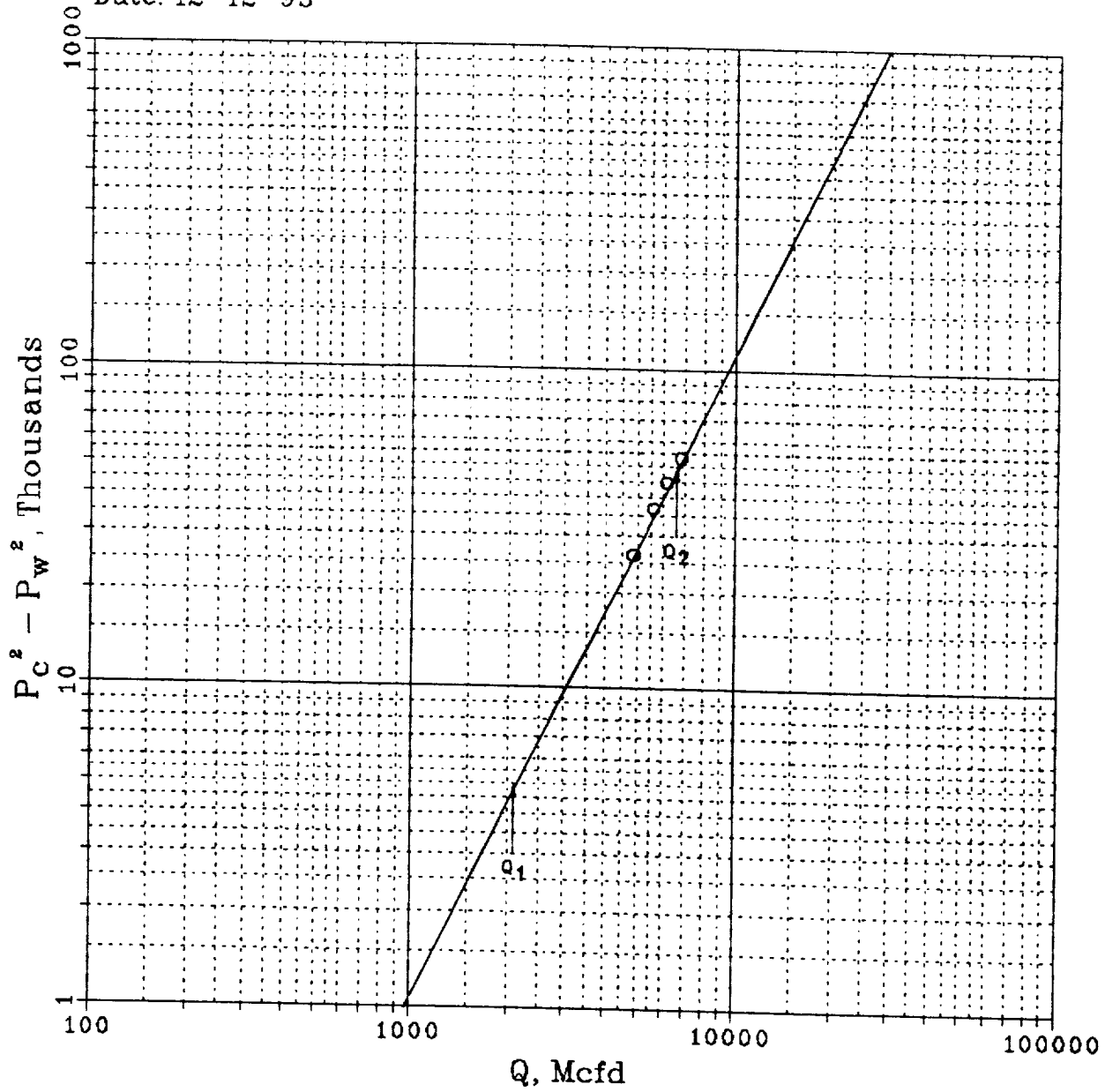
CHECKED BY:

Billy E. Kruke

L. J. [Signature]

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133291G
Field/Pool: Bravo Dome
County: Harding
Date: 12-12-93



$$\begin{aligned}
 Q_1 &= 2087. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.31957 \\
 Q_2 &= 6601. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.81959 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$