

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2033271G
S/T/R : 27,20,33
COUNTY : HARDING
STATE : NEW MEXICO

TYPE TEST : 4 POINT
INITIAL :
TEST DATE : 12/21/93

COMPANY : AMOCO PRODUCTION COMPANY
FIELD : BRAVO DOME POOL : N/A
COMPLETED 10-08-93 TD = 2491.
CSG SIZE = 4.5000 WT = 4.56
TBG SIZE = 0.0000 WT = 0.00
TYPE COMPLETION : SINGLE
PRODUCING THROUGH : OPENHOLE

CONNECTION : BRAVO DOME PLANT
RESERVOIR : TUBB
PBD = 2440. ELEV = 4943.
SET AT 2371. PERF : 2375. - 2473.
SET AT 0. PERF : 0. - 0.
PACKER SET AT : 0.

RESERVOIR TEMP., F = 95. @ 2491. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2491.	2491.	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	3.98 X	2.000	183.	36.4	59.	0.		267.	50.	24.0
2	3.98 X	2.000	149.	55.4	61.	0.	0.	186.	59.	1.0
3	3.98 X	2.500	119.	39.6	62.	0.	0.	154.	61.	1.0
4	3.98 X	2.500	87.	58.5	62.	0.	0.	123.	62.	1.0
								91.	62.	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTR F(T)	C-FACTR F(G)	SC-FACTR F(PV)	FLOW MCFD
1	19.85	84.23	194.9	1.0006	0.8092	1.0579	1432.
2	19.85	94.62	161.6	0.9991	0.8092	1.0473	1590.
3	32.78	72.22	131.7	0.9984	0.8092	1.0380	1985.
4	32.78	76.14	99.1	0.9982	0.8092	1.0282	2073.

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	519.	0.80	0.894	0.000				626.	648.
2	0.26	521.	0.80	0.912	0.0				626.	648.
3	0.21	522.	0.80	0.928	XXXXX				626.	648.
4	0.16	522.	0.81	0.946	XXXXX				626.	648.

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	39.	198.	39.	39.					279.7
2	28.	166.	27.	51.					78.
3	18.	135.	18.	60.					1.1587
4	11.	104.	11.	68.					1.1039
									2288.

CALC WH OPEN FLOW = 2288. MCFD @ 15.025; SLOPE ANGLE = 56.1; N = 0.671

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

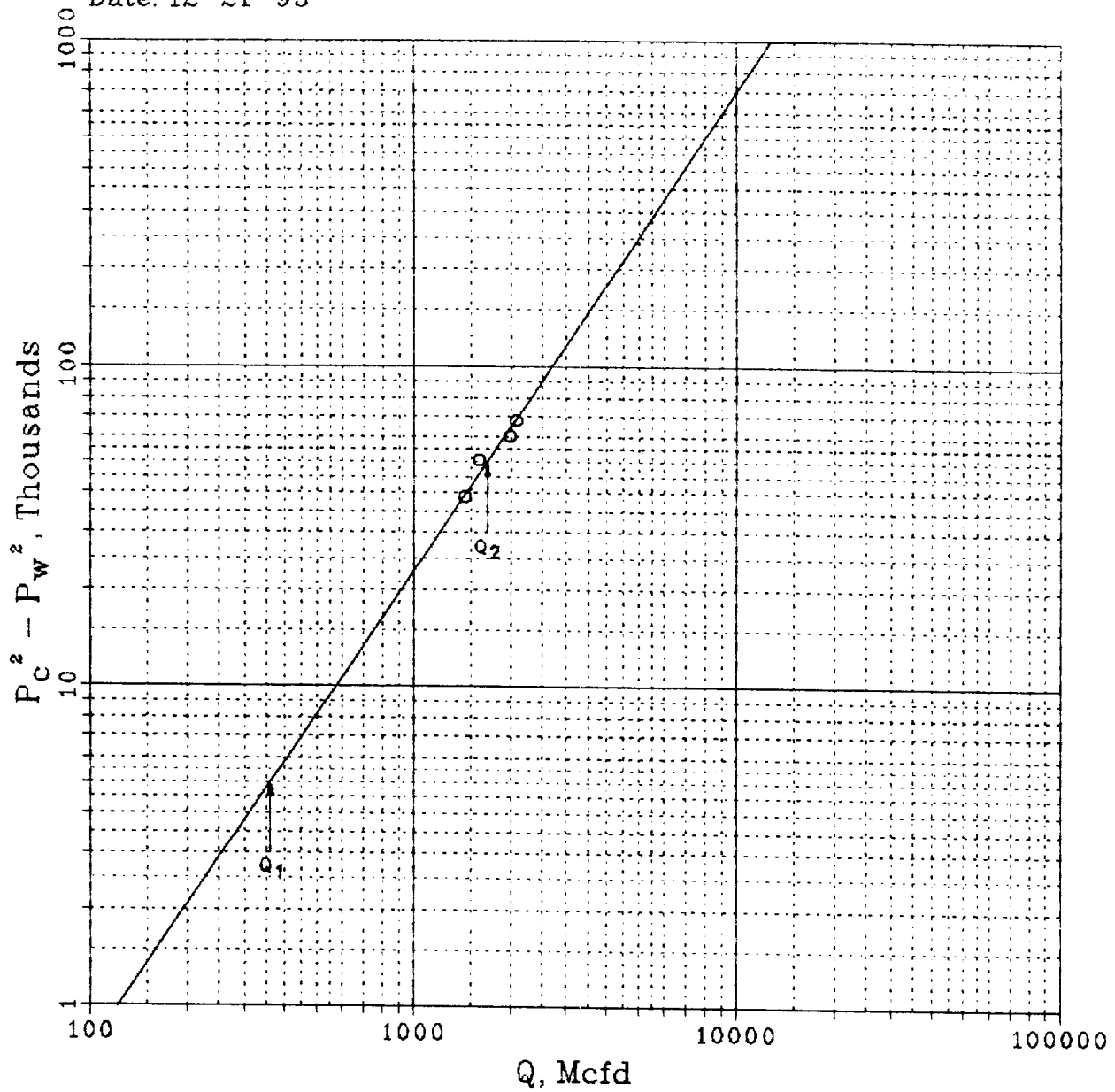
CHECKED BY:

Billy E. ...

LLI ...

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2033271G
Field/Pool: Bravo Dome
County: Harding
Date: 12-21-93



$$\begin{aligned}
 Q_1 &= 361. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.55774 \\
 Q_2 &= 1694. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.22890 \\
 n &= 0.67116 = 0.671
 \end{aligned}$$