

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133051G
 S/T/R : 05,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/10/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-20-93 TD = 2590.
 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 = 2580. ELEV = 4972.
 SET AT 2590. PERF: 2358.- 2448.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2590. FT. BARO.PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2590.	2590.	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	3.500	181.	20.0	62.	0.	0.	249.	50.	24.0
2	3.98 X	3.500	146.	34.0	60.	0.	0.	183.	62.	1.0
3	3.98 X	3.500	115.	51.0	58.	0.	0.	150.	60.	1.0
4	3.98 X	3.500	79.	84.0	54.	0.	0.	122.	58.	1.0
								90.	54.	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTOR F(T)	G-FACTOR F(G)	SC-FACTOR F(PV)	FLOW MCFD
1	90.10	62.16	193.2	0.9981	0.8092	1.0573	4783.
2	90.10	73.34	158.2	1.0000	0.8092	1.0462	5594.
3	90.10	80.54	127.2	1.0019	0.8092	1.0367	6099.
4	90.10	87.53	91.2	1.0058	0.8092	1.0259	6584.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.31	522.	0.81	0.894	GAS LIQ RATIO, MCF/BBL	0.000
2	0.25	520.	0.80	0.914	API G OF HYDROCARBONS	0.0
3	0.20	518.	0.80	0.931	SP G SEPARATOR GAS	1.527 XXXXX
4	0.15	514.	0.79	0.950	SP G FLOWING FLUID	XXXXX 1.527
					CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	38.	195.	38.	30.	PC =	261.5
2	26.	162.	26.	42.	PC*PC =	68.
3	18.	134.	18.	50.	PC*PC/(PC*PC-PW*PW) =	1.1804
4	10.	102.	10.	58.	(PC*PC/(PC*PC-PW*PW))*N =	1.0865
					AOE (MCF/DAY) =	7154.

CALC WH OPEN FLOW = 7154. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

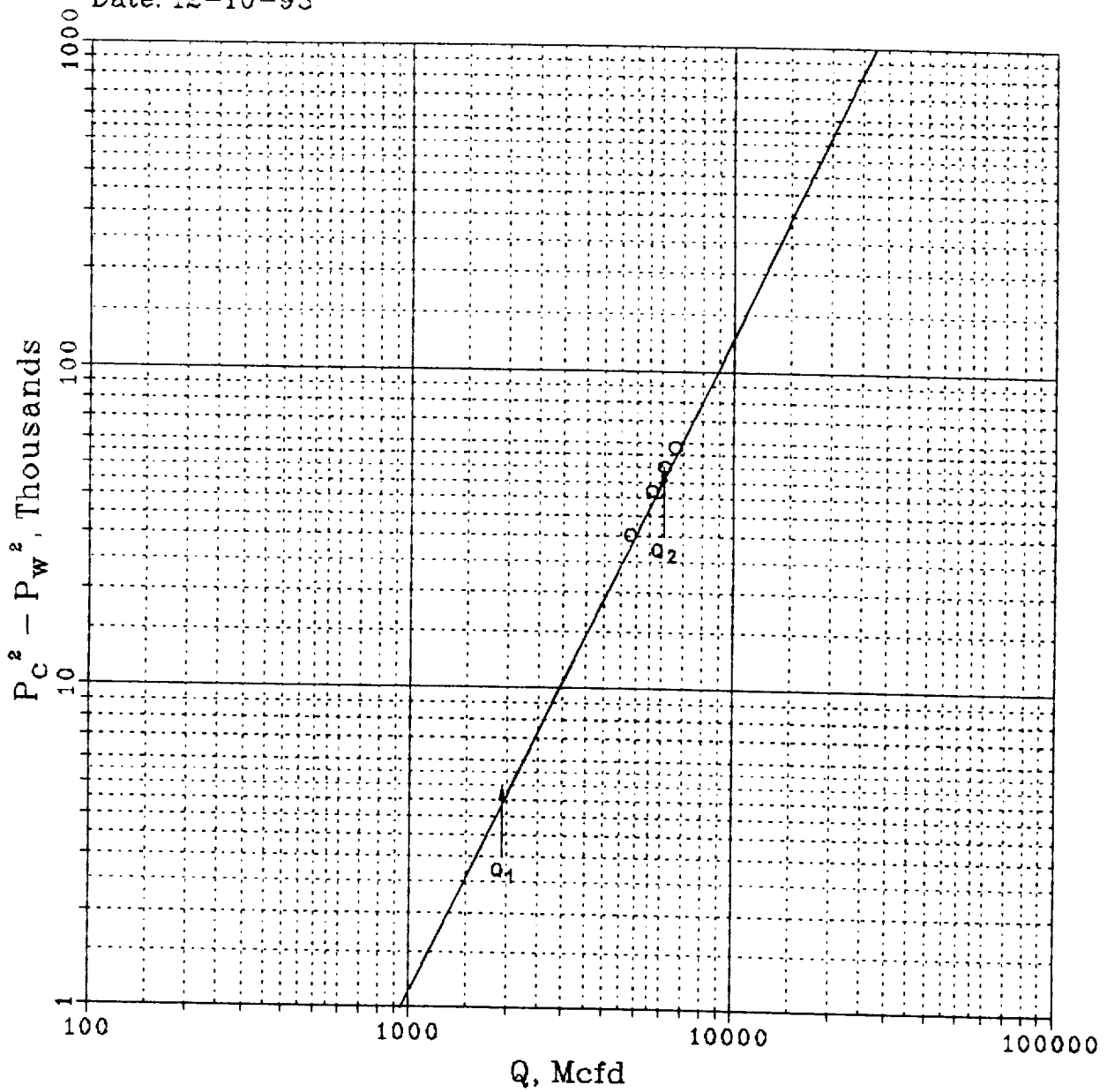
CHECKED BY:

Billy E. ...

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GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133051G
Field/Pool: Bravo Dome
County: Harding
Date: 12-10-93



$$\begin{aligned}
 Q_1 &= 1934. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.28657 \\
 Q_2 &= 6118. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.78658 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$