

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2033181G
 S/T/R : 18,20,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/30/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 10-08-93 TD = 2651.
 CSG SIZE = 5.5000 WT = 14.00
 TBG SIZE = 2.3750 WT = 1.34
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING

CONNECTION: BRAVO DOME PLANT
 RESERVOIR: TUBB
 PBD = 2470. ELEV = 4995.
 SET AT 2651. PERF: 2390.- 2536.
 SET AT 2337. PERF: 0.- 0.
 PACKER SET AT: 2337.

RESERVOIR TEMP., F = 95. @ 2651. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2651.	2651.	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						269.	50.	0.		24.0
1	4.00 X	2.875	181.	0.9	58.	181.	58.	0.	0.	1.0
2	4.00 X	2.875	153.	1.2	59.	153.	59.	0.	0.	1.0
3	4.00 X	2.875	119.	2.2	60.	120.	60.	0.	0.	1.0
4	4.00 X	2.875	90.	3.5	59.	91.	59.	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	46.21	13.40	193.2	1.0019	0.8092	1.0573	531.
2	46.21	14.20	165.2	1.0010	0.8092	1.0484	557.
3	46.21	17.10	131.2	1.0000	0.8092	1.0379	664.
4	46.21	18.99	102.2	1.0010	0.8092	1.0291	732.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.31	518.	0.80	0.894	API G OF HYDROCARBONS	0.000
2	0.26	519.	0.80	0.910	SP G SEPARATOR GAS	0.0
3	0.21	520.	0.80	0.928	SP G FLOWING FLUID	1.527 XXXXX
4	0.16	519.	0.80	0.944	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	
1	37.	193.	37.	42.	PC = 281.6
2	27.	165.	27.	52.	PC*PC = 79.
3	17.	132.	18.	62.	PC*PC/(PC*PC-PW*PW) = 1.1565
4	11.	104.	11.	69.	(PC*PC/(PC*PC-PW*PW))*N = 1.0997
					AOE (MCF/DAY) = 804.

CALC WH OPEN FLOW = 804. MCFD @ 15.025; SLOPE ANGLE = 56.8; N = 0.654

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

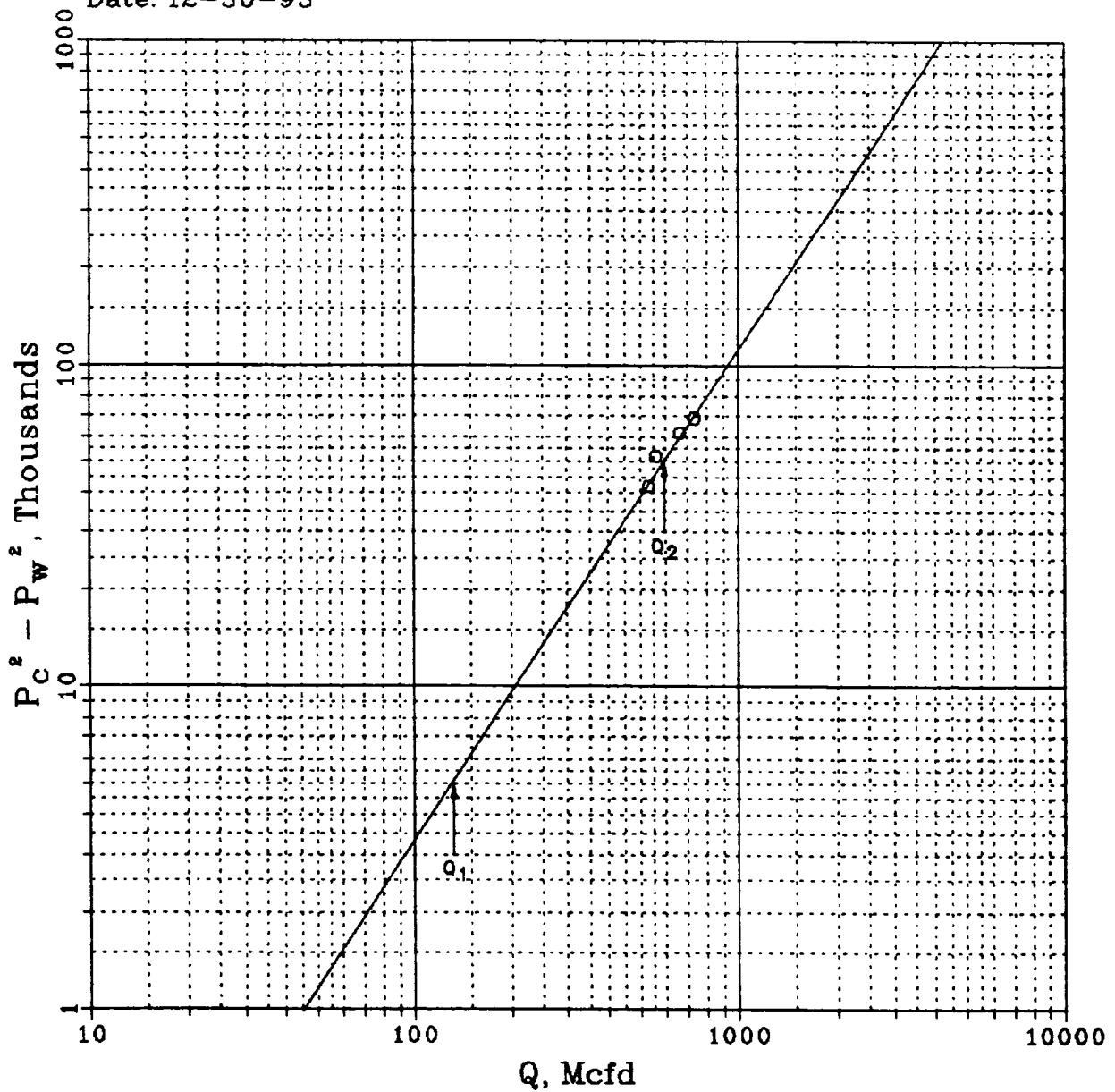
CHECKED BY:

Billy E. Pugh

[Signature]

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2033181G
Field/Pool: Bravo Dome
County: Harding
Date: 12-30-93



$$\begin{aligned}
 Q_1 &= 132. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.12100 \\
 Q_2 &= 595. \text{ Mcfd}; & \text{LOG } Q_2 &= 2.77461 \\
 n &= 0.65361 = 0.654
 \end{aligned}$$