

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2033301G
S/T/R : 30,20,33
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 = 2780.
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 = 2565. ELEV = 5090.
SET AT 2780. PERF : 2512.- 2660.
SET AT 2526. PERF : 0.- 0.
PACKER SET AT : 2487.

RESERVOIR TEMP., F = 95. @ 2780. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2780.	2780.	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	3.97 X	1.875	177.	21.0	59.	264.	50.	0.		24.0
2	3.97 X	1.875	145.	36.0	60.	181.	59.	0.	0.	1.0
3	3.97 X	1.875	114.	55.0	60.	150.	60.	0.	0.	1.0
4	3.97 X	1.875	85.	85.0	59.	119.	60.	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	17.29	63.03	189.2	1.0010	0.8092	1.0561	932.
2	17.29	75.23	157.2	1.0000	0.8092	1.0459	1101.
3	17.29	83.31	126.2	1.0000	0.8092	1.0364	1208.
4	17.29	90.90	97.2	1.0010	0.8092	1.0277	1308.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.30	519.	0.80	0.897	API G OF HYDROCARBONS	0.000
2	0.25	520.	0.80	0.914	SP G SEPARATOR GAS	0.0
3	0.20	520.	0.80	0.931	SP G FLOWING FLUID	1.527 XXXXX
4	0.16	519.	0.80	0.947	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	
1	37.	193.	37.	39.	PC = 276.5
2	26.	163.	26.	50.	PC*PC = 76.
3	17.	132.	17.	59.	PC*PC/(PC*PC-PW*PW) = 1.1670
4	11.	105.	11.	66.	(PC*PC/(PC*PC-PW*PW))*N = 1.1062
					AOE (MCF/DAY) = 1447.

CALC WH OPEN FLOW = 1447. MCFD @ 15.025; SLOPE ANGLE = 56.8; N = 0.654

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

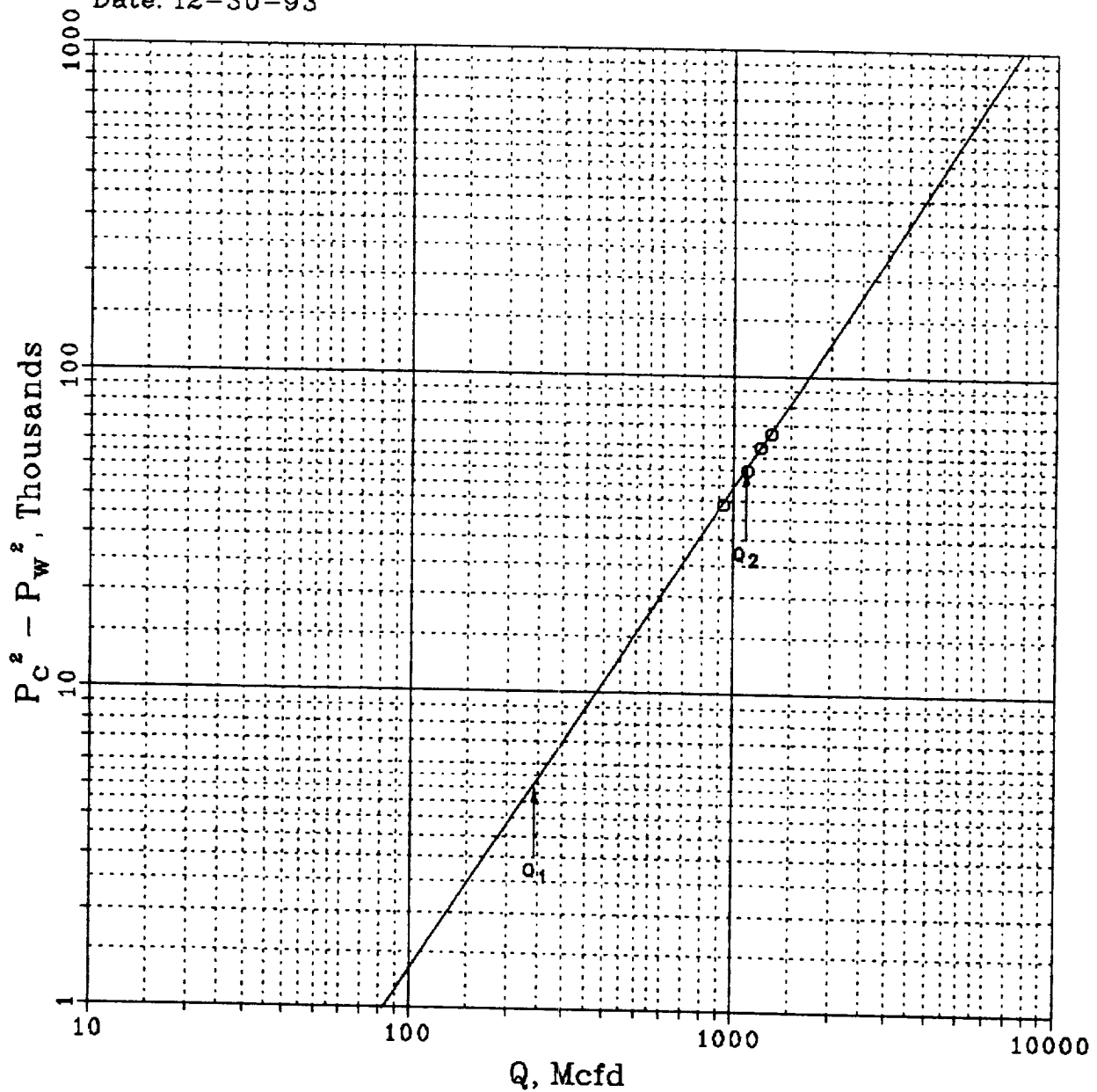
CHECKED BY:

Billy E. Krum

H. J. [Signature]

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2033301G
Field/Pool: Bravo Dome
County: Harding
Date: 12-30-93



$Q_1 = 243$ Mcfd; $\text{LOG } Q_1 = 2.38629$
 $Q_2 = 1096$ Mcfd; $\text{LOG } Q_2 = 3.03990$
 $n = 0.65361 = 0.654$