

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133201G
 S/T/R : 20,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/25/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 08-11-93 TD = 2460.
 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 = 2428. ELEV = 4875.
 SET AT 2460. PERF: 2233.- 2407.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2460. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2460.	2460.	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	2.750	183.	36.0	62.	0.	0.	290.	50.	24.0
2	3.98 X	2.750	149.	57.0	61.	0.	0.	183.	62.	1.0
3	3.98 X	2.750	119.	84.0	60.	0.	0.	150.	61.	1.0
4	3.98 X	2.750	86.	130.0	57.	0.	0.	121.	60.	1.0
								90.	57.	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	41.33	83.83	195.2	0.9981	0.8092	1.0580	2960.
2	41.33	95.86	161.2	0.9990	0.8092	1.0472	3354.
3	41.33	104.98	131.2	1.0000	0.8092	1.0379	3644.
4	41.33	112.99	98.2	1.0029	0.8092	1.0279	3895.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.31	522.	0.81	0.893	API G OF HYDROCARBONS	0.000
2	0.26	521.	0.80	0.912	SP G SEPARATOR GAS	0.0
3	0.21	520.	0.80	0.928	SP G FLOWING FLUID	1.527 XXXXX
4	0.16	517.	0.80	0.946	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	38.	195.	38.	53.	PC =	302.5
2	26.	162.	26.	65.	PC*PC =	92.
3	18.	133.	18.	74.	PC*PC/(PC*PC-PW*PW) =	1.1288
4	10.	102.	10.	81.	(PC*PC/(PC*PC-PW*PW))*N =	1.0836
					AOE (MCF/DAY) =	4221.

CALC WH OPEN FLOW = 4221. MCFD @ 15.025; SLOPE ANGLE = 56.5; N = 0.662

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

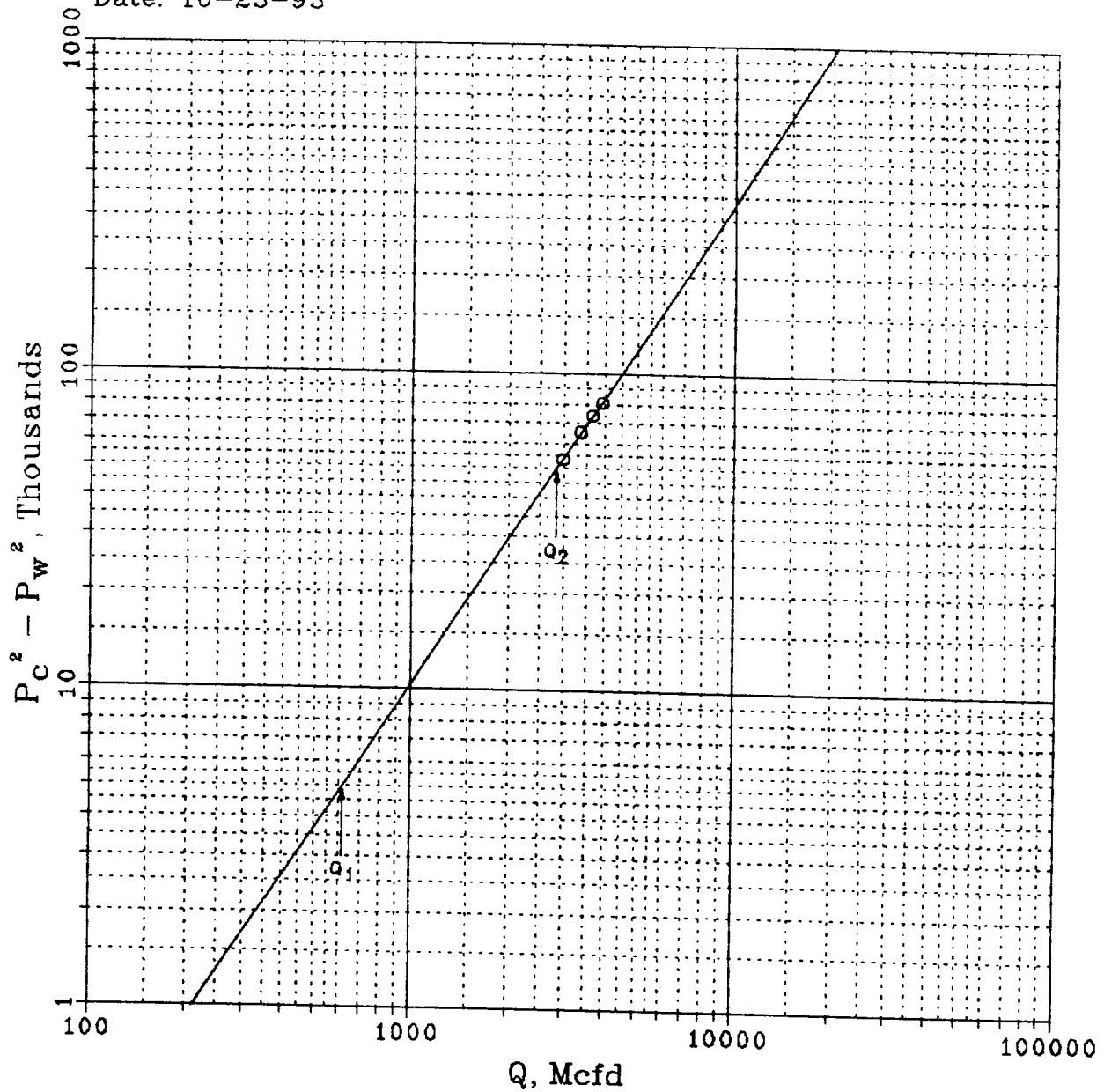
CHECKED BY:

Billy E. Puello

W J Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133201G
Field/Pool: Bravo Dome
County: Harding
Date: 10-25-93



$$\begin{aligned}
 Q_1 &= 616. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.78929 \\
 Q_2 &= 2829. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.45156 \\
 n &= 0.66227 = 0.662
 \end{aligned}$$