

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2033221X
 S/T/R : 22,20,33
 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 10-13-93 TD = 2514.
 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 = 4972.
 SET AT 2400. PERF: 2414.- 2476.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2514. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2514.	2514.	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						0.		273.	50.	24.0
1	3.98 X	1.750	179.	6.4	57.	0.	0.	181.	57.	1.0
2	3.98 X	1.750	148.	9.1	57.	0.	0.	150.	57.	1.0
3	3.98 X	1.750	122.	11.3	57.	0.	0.	124.	57.	1.0
4	3.98 X	1.750	90.	16.5	59.	0.	0.	92.	59.	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	14.94	34.95	190.9	1.0034	0.8092	1.0566	448.
2	14.94	38.17	160.1	1.0026	0.8092	1.0468	484.
3	14.94	38.93	134.1	1.0026	0.8092	1.0388	490.
4	14.94	41.12	102.5	1.0013	0.8092	1.0292	512.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.30	517.	0.80	0.896	API G OF HYDROCARBONS	0.000
2	0.26	517.	0.80	0.913	SP G SEPARATOR GAS	0.0
3	0.21	517.	0.80	0.927	SP G FLOWING FLUID	1.527
4	0.16	519.	0.80	0.944	CRITICAL PRES., PSIA	XXXXX
					CRITICAL TEMP., R	626.
						648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	193.	37.	44.	PC =	286.0
2	26.	162.	26.	55.	PC*PC =	82.
3	19.	137.	19.	63.	PC*PC/(PC*PC-PW*PW) =	1.1544
4	11.	105.	11.	71.	(PC*PC/(PC*PC-PW*PW))**N =	1.0744
					AOE (MCF/DAY) =	551.

CALC WH OPEN FLOW = 551. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

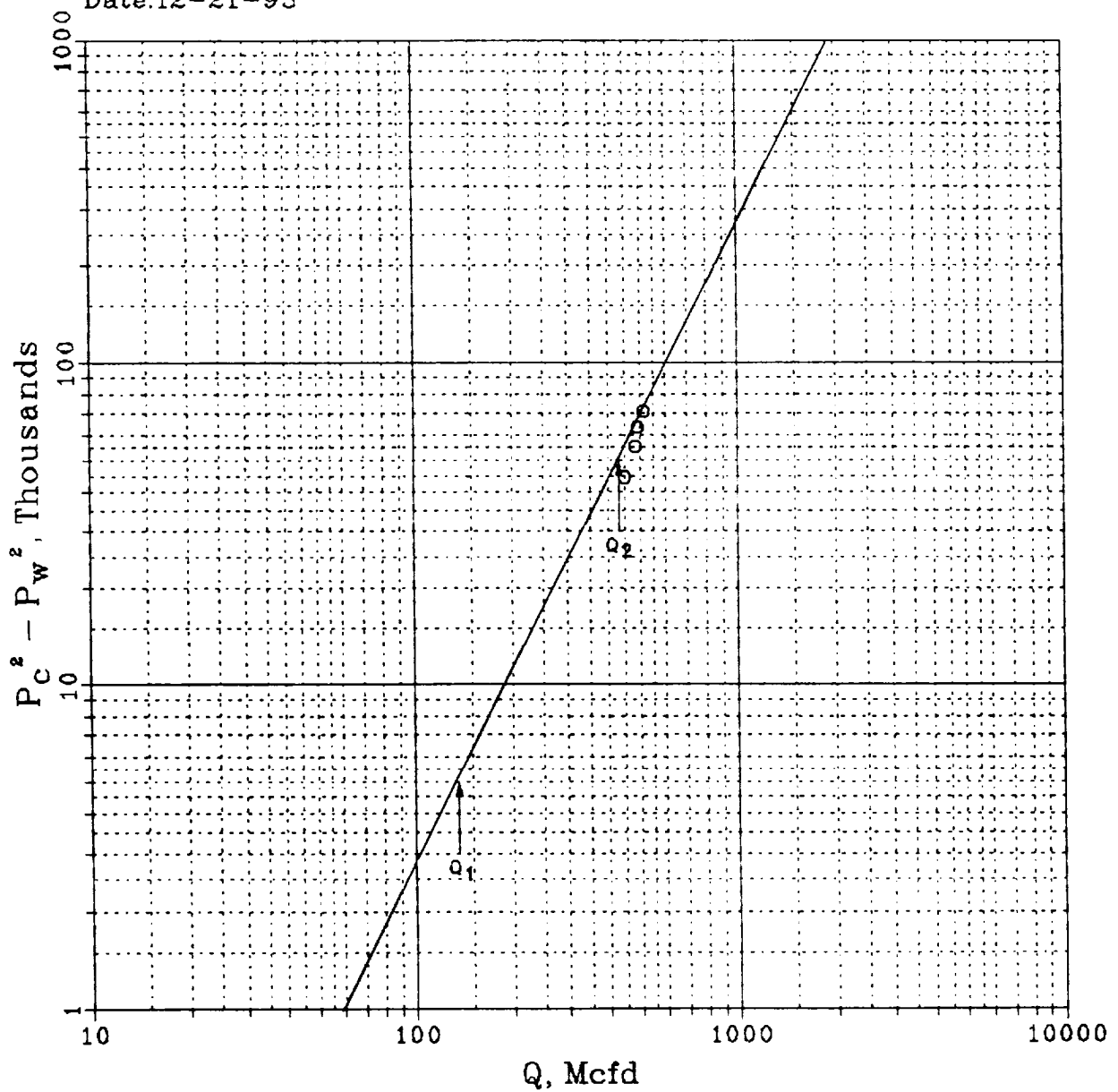
CHECKED BY:

Billy E. ...

H. J. ...

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2033221X
 Field/Pool: Bravo Dome
 County: Harding
 Date: 12-21-93



$$\begin{aligned}
 Q_1 &= 136. \text{ Mcfd}; \quad \text{LOG } Q_1 = 2.13396 \\
 Q_2 &= 431. \text{ Mcfd}; \quad \text{LOG } Q_2 = 2.63398 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$