

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2132111G
 S/T/R : 11,21,32
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 11/22/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-02-93 TD = 2430.
 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 = 2418. ELEV = 4947.
 SET AT 2430. PERF: 2251. - 2402.
 SET AT 0. PERF: 0. - 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2430. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2430.	2430.	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	3.99 X	3.500	179.	67.0	60.	0.	0.	292.	50.	24.0
2	3.99 X	3.500	149.	94.0	60.	0.	0.	179.	60.	1.0
3	3.99 X	3.500	116.	137.0	58.	0.	0.	150.	60.	1.0
4	3.99 X	3.500	84.	204.0	57.	0.	0.	119.	58.	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	89.83	113.18	191.2	1.0000	0.8092	1.0567	8694.
2	89.83	123.10	161.2	1.0000	0.8092	1.0472	9370.
3	89.83	132.53	128.2	1.0019	0.8092	1.0370	10009.
4	89.83	140.09	96.2	1.0029	0.8092	1.0274	10492.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BSL	API G OF HYDROCARBONS	SP G SEPARATOR GAS	SP G FLOWING FLUID	CRITICAL PRES., PSIA	CRITICAL TEMP., R
1	0.31	520.	0.80	0.896	0.000	0.0	1.527	XXXXX	626.	648.
2	0.26	520.	0.80	0.912						
3	0.20	518.	0.80	0.930						
4	0.15	517.	0.80	0.947						

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	PC*PC =	PC*PC/(PC*PC-PW*PW) =	(PC*PC/(PC*PC-PW*PW))*N =	AOF (MCF/DAY) =
1	37.	191.	37.	56.	304.5	93.	1.1269	1.0616	11138.
2	26.	162.	26.	66.					
3	17.	131.	17.	76.					
4	10.	102.	10.	82.					

CALC WH OPEN FLOW = 11138. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

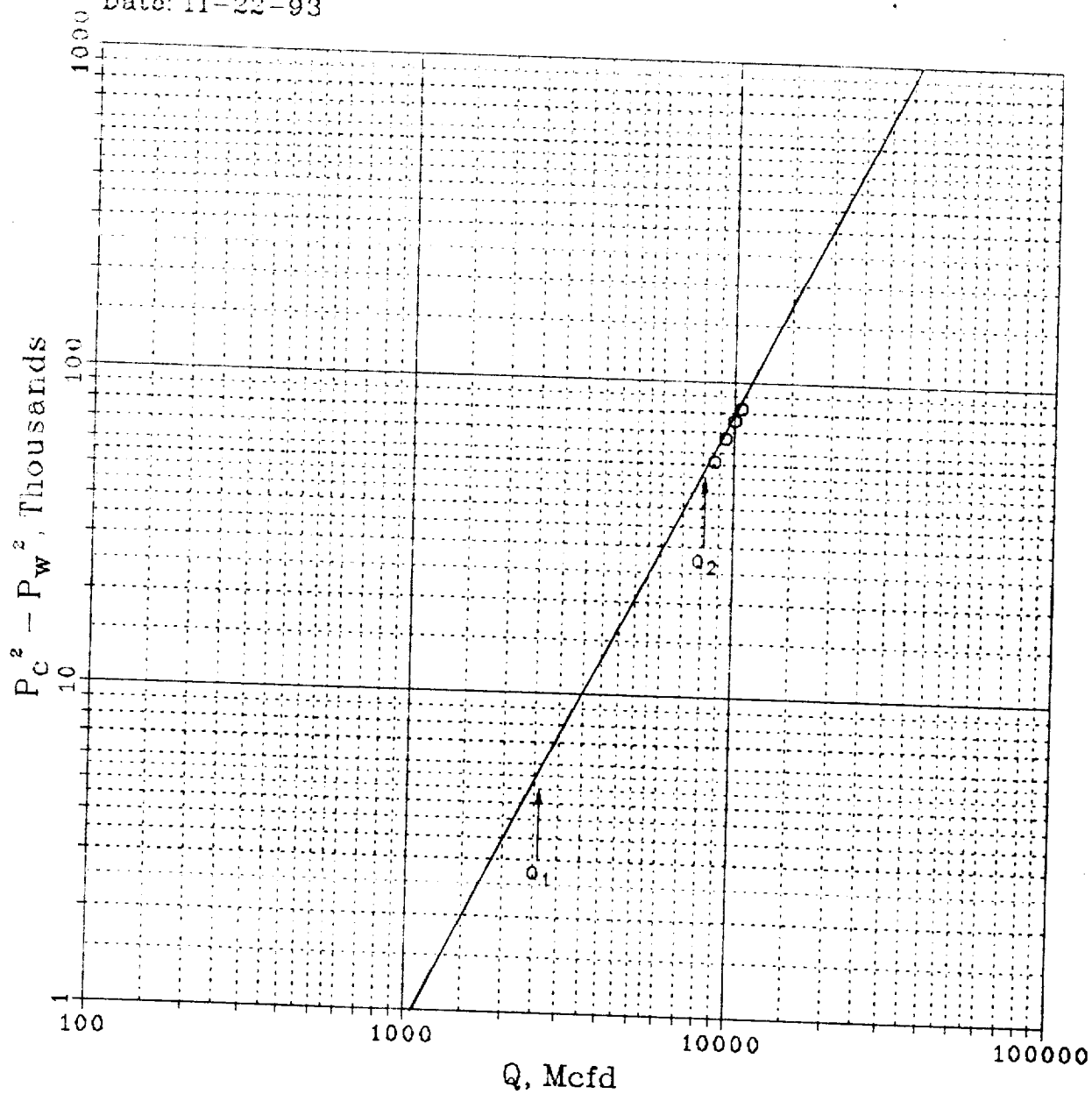
CHECKED BY:

Billy E. Brubaker

[Signature]

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2132111G
Field/Pool: Bravo Dome
County: Harding
Date: 11-22-93



$$\begin{aligned} Q_1 &= 2586. \text{ Mcfd; } \text{LOG } Q_1 = 3.41267 \\ Q_2 &= 8179. \text{ Mcfd; } \text{LOG } Q_2 = 3.91269 \\ n &= 0.50002 = 0.500 \end{aligned}$$