

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133081G
S/T/R : 08, 21, 33
COUNTY : HARDING
STATE : NEW MEXICO

TYPE TEST : 4 POINT
: INITIAL
TEST DATE : 11/19/93

COMPANY : AMOCO PRODUCTION COMPANY
FIELD : BRAVO DOME POOL : N/A
COMPLETED 09-02-93 TD = 2471.
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 = 2429. ELEV = 4870.
SET AT 2471. PERF : 2230. - 2287.
SET AT 0. PERF : 0. - 0.
PACKER SET AT : 0.

RESERVOIR TEMP., F = 95. @ 2471. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2471.	2471.	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	3.500	178.	8.0	62.	0.	0.	270.	50.	24.0
2	3.98 X	3.500	150.	9.0	63.	0.	0.	179.	62.	1.0
3	3.98 X	3.500	119.	10.0	63.	0.	0.	150.	63.	1.0
4	3.98 X	3.500	90.	12.0	63.	0.	0.	120.	63.	1.0
								92.	63.	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	90.43	39.01	190.2	0.9981	0.8092	1.0564	3009.
2	90.43	38.21	162.2	0.9971	0.8092	1.0475	2920.
3	90.43	36.22	131.2	0.9971	0.8092	1.0379	2743.
4	90.43	35.02	102.2	0.9971	0.8092	1.0291	2630.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	API G OF HYDROCARBONS	SP G SEPARATOR GAS	SP G FLOWING FLUID	CRITICAL PRES., PSIA	CRITICAL TEMP., R
1	0.30	522.	0.81	0.896			1.527	XXXXX	626.	648.
2	0.26	523.	0.81	0.911						
3	0.21	523.	0.81	0.928						
4	0.16	523.	0.81	0.944						

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 =	AOFC (MCF/DAY) =
1	37.	191.	36.	43.					
2	26.	162.	26.	54.					
3	17.	132.	17.	62.					
4	11.	104.	11.	69.					
					282.5	80.	1.8429	1.3575	4085.

CALC WH OPEN FLOW = 4085. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: See Rules of Procedure - NMOC - Section II-A-5-d-2 Page III-5
AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

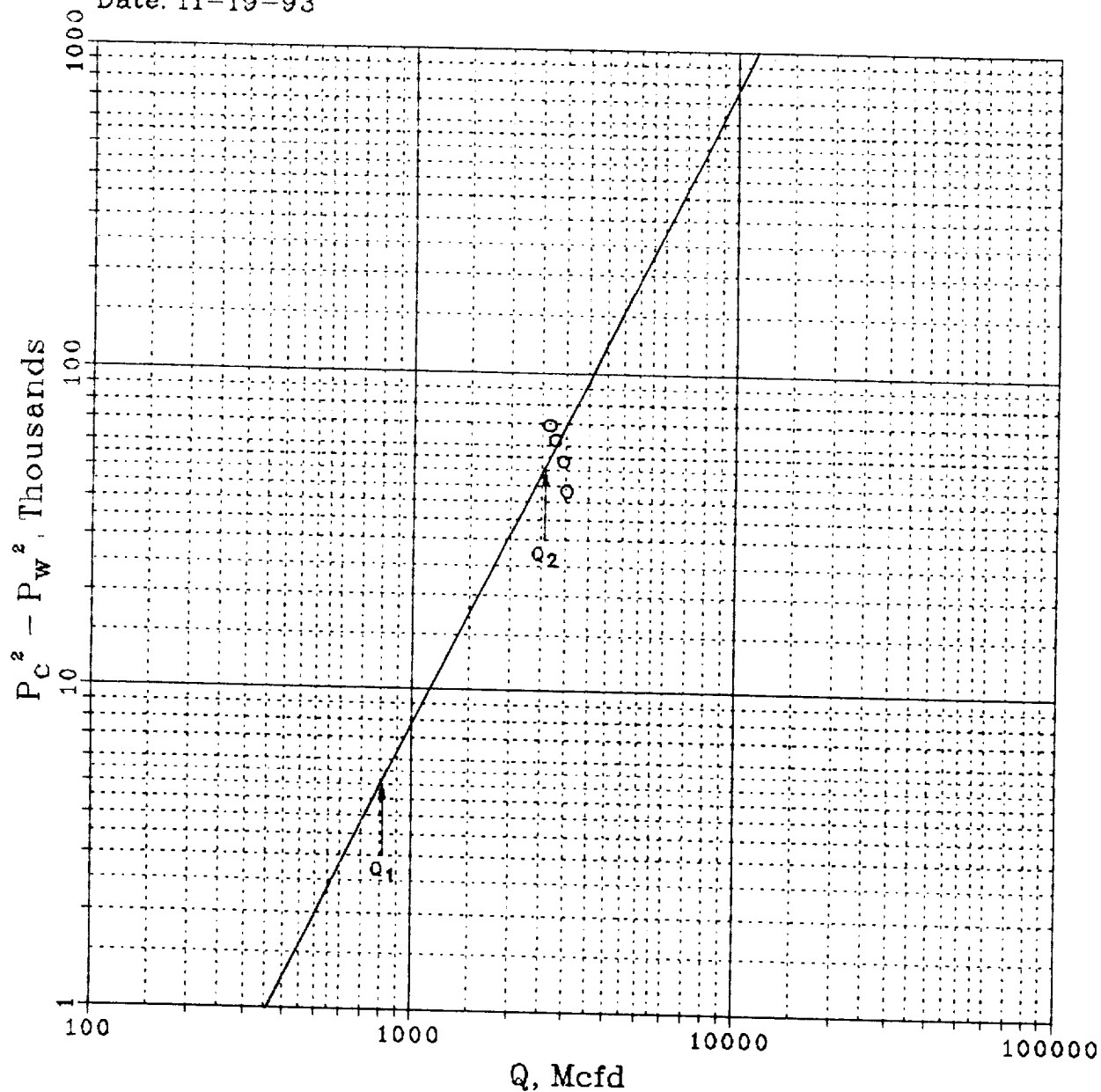
CHECKED BY:

Billy E. Frueh

91/10/93

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133081G
Field/Pool: Bravo Dome
County: Harding
Date: 11-19-93



$$\begin{aligned}
 Q_1 &= 810. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.90863 \\
 Q_2 &= 2562. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.40864 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$