

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133141G
 S/T/R : 14, 21, 33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/27/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 08-18-93 TD = 2630.
 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 = 2550. ELEV = 4854.
 SET AT 2630. PERF: 2410. 2464
 SET AT 0. PERF: 0. 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2630. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2630.	2630.	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.		239.	50.	24.0
1	3.98 X	2.500	177.	126.0	62.	0.	0.	183.	62.	1.0
2	3.98 X	2.750	146.	132.0	61.	0.	0.	149.	61.	1.0
3	3.98 X	2.750	112.	207.0	59.	0.	0.	119.	59.	1.0
4	3.98 X	3.500	83.	66.0	57.	0.	0.	90.	57.	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTOR F(T)	G-FACTOR F(G)	SC-FACTOR F(PV)	FLOW MCFD
1	32.76	154.40	189.2	0.9981	0.8092	1.0561	4314.
2	41.31	144.51	158.2	0.9990	0.8092	1.0462	5049.
3	41.31	160.34	124.2	1.0010	0.8092	1.0357	5557.
4	90.10	79.27	95.2	1.0029	0.8092	1.0271	5953.

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	0.897	0.000	0.0	1.527	XXXXX	626.	648.
2	0.25	521.	0.80	0.914						
3	0.20	519.	0.80	0.932						
4	0.15	517.	0.80	0.948						

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 =	AOE (MCF/DAY) =
1	38.	195.	38.	25.	251.5	63.	1.1978	1.0945	6515.
2	26.	161.	26.	37.					
3	17.	131.	17.	46.					
4	10.	102.	10.	53.					

CALC WH OPEN FLOW = 6515. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

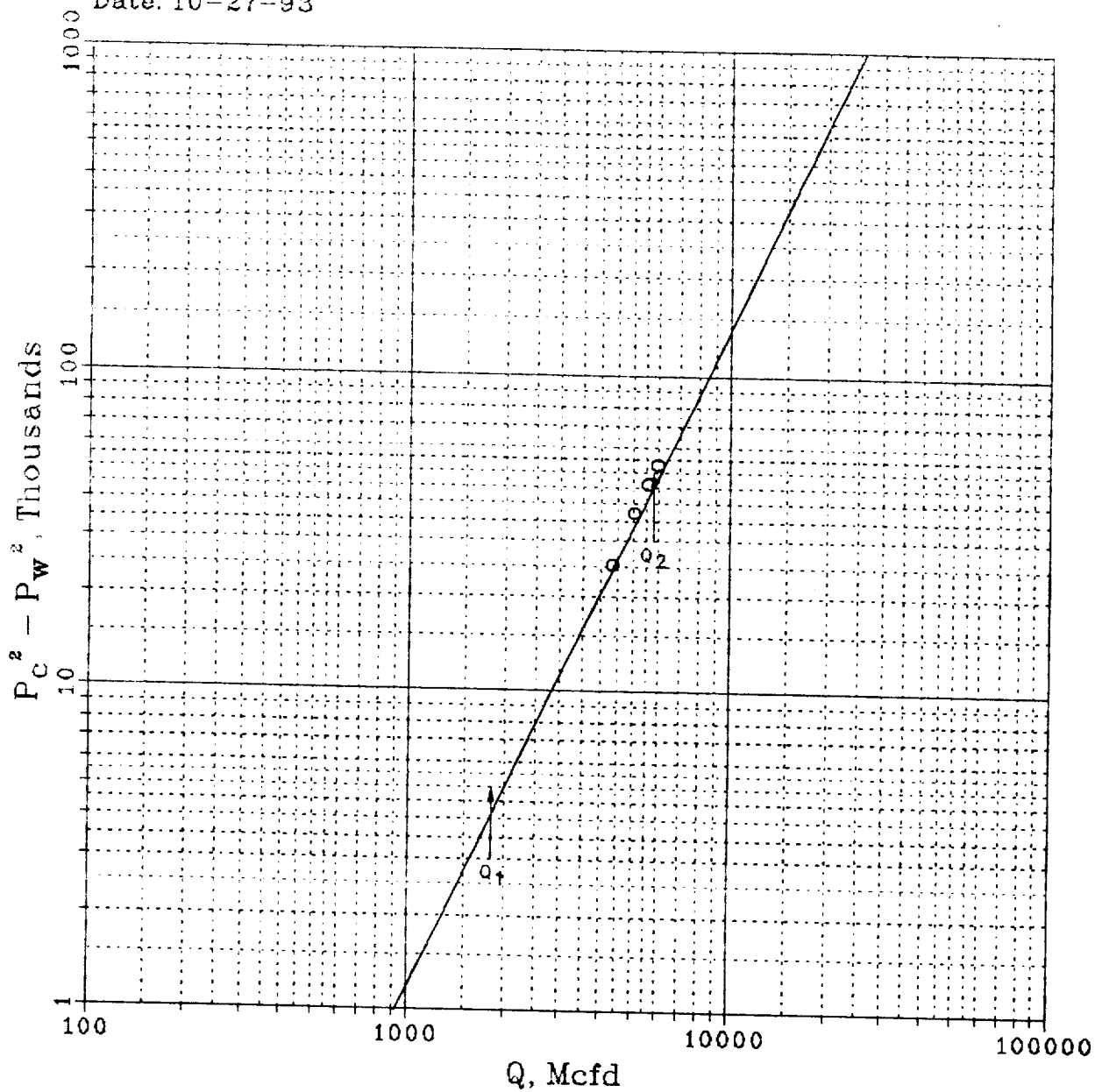
CHECKED BY:

Billy E. Frueh

W. H. H.

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2133141G
 Field/Pool: Bravo Dome
 County: Harding
 Date: 10-27-93



$$\begin{aligned}
 Q_1 &= 1832. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.26288 \\
 Q_2 &= 5793. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.76290 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$