

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133241G
 S/T/R : 24,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/28/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 07-20-93 TD = 2854.
 CSG SIZE = 5.5000 WT = 14.00
 TBG SIZE = 2.8750 WT = 1.70
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING

CONNECTION: BRAVO DOME PLANT
 RESERVOIR: TUBB
 PBD = 2450. ELEV = 4896.
 SET AT 2854. PERF: 2345.- 2537.
 SET AT 2335. PERF: 0.- 0.
 PACKER SET AT: 2298.

RESERVOIR TEMP., F = 95. @ 2854. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2854.	2854.	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	2.375	181.	52.0	55.	284.	50.	0.		24.0
2	3.99 X	2.375	149.	73.0	53.	181.	55.	0.	0.	1.0
3	3.99 X	2.375	117.	104.0	50.	150.	53.	0.	0.	1.0
4	3.99 X	2.375	85.	148.0	47.	120.	50.	0.	0.	1.0
						90.	47.	0.	0.	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	29.06	100.23	193.2	1.0048	0.8092	1.0573	
2	29.06	108.48	161.2	1.0068	0.8092	1.0472	2504.
3	29.06	115.92	129.2	1.0098	0.8092	1.0373	2689.
4	29.06	119.94	97.2	1.0127	0.8092	1.0277	2855. 2935.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.31	515.	0.79	0.894	GAS LIQ RATIO, MCF/BBL	0.000
2	0.26	513.	0.79	0.912	API G OF HYDROCARBONS	0.0
3	0.21	510.	0.79	0.929	SP G SEPARATOR GAS	1.527
4	0.16	507.	0.78	0.947	SP G FLOWING FLUID	XXXXX
					CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	196.	38.	50.	PC =	296.6
2	26.	166.	28.	60.	PC*PC =	88.
3	17.	138.	19.	69.	PC*PC/(PC*PC-PW*PW) =	1.1580
4	10.	110.	12.	76.	(PC*PC/(PC*PC-PW*PW))*N =	1.0761
					AOE (MCF/DAY) =	3159.

CALC WH OPEN FLOW = 3159. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

Billy E. Pruehn

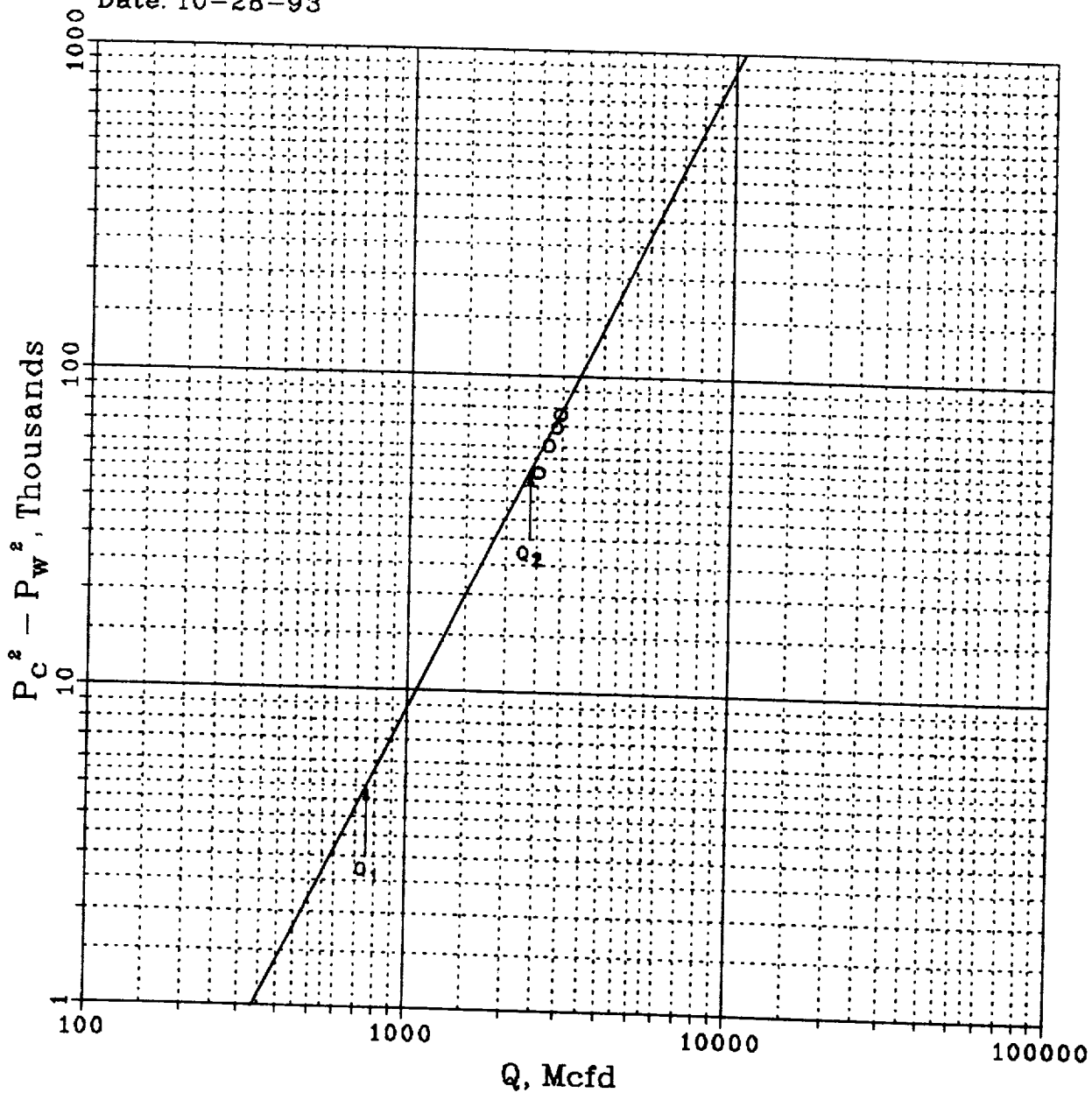
CALCULATED BY:

CHECKED BY:

A. J. Tol

**GAS WELL
BACK PRESSURE TEST**

Company: Amoco Production Company
 Well: 2133241G
 Field/Pool: Bravo Dome
 County: Harding
 Date: 10-28-93



$Q_1 = 753$. Mcfd; $\text{LOG } Q_1 = 2.87687$
 $Q_2 = 2382$. Mcfd; $\text{LOG } Q_2 = 3.37689$
 $n = 0.50002 = 0.500$