

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2132121G
 S/T/R : 12,21,32
 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 = 2487.
 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 = 2467. ELEV = 4965.
 SET AT 2487. PERF: 2246.- 2436.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2487. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2487.	2487.	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	3.96 X	3.500	183.	11.0	60.	0.	0.	298.	50.	24.0
2	3.96 X	3.500	152.	15.0	59.	0.	0.	180.	60.	1.0
3	3.96 X	3.500	119.	22.0	57.	0.	0.	150.	59.	1.0
4	3.96 X	3.500	87.	34.0	55.	0.	0.	118.	57.	1.0
								88.	55.	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	91.21	46.34	195.2	1.0000	0.8092	1.0580	3618.
2	91.21	49.63	164.2	1.0010	0.8092	1.0481	3843.
3	91.21	53.73	131.2	1.0029	0.8092	1.0379	4127.
4	91.21	58.08	99.2	1.0048	0.8092	1.0282	4428.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	520.	0.80	0.893	API G OF HYDROCARBONS	0.0
2	0.26	519.	0.80	0.910	SP G SEPARATOR GAS	1.527 XXXXX
3	0.21	517.	0.80	0.928	SP G FLOWING FLUID	XXXXX 1.527
4	0.16	515.	0.79	0.946	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	310.5
1	37.	192.	37.	60.	PC*PC =	96.
2	26.	162.	26.	70.	PC*PC/(PC*PC-PW*PW) =	1.1163
3	17.	130.	17.	79.	(PC*PC/(PC*PC-PW*PW))*N =	1.0616
4	10.	100.	10.	86.	AOE (MCF/DAY) =	4701.

CALC WH OPEN FLOW = 4701. MCFD @ 15.025; SLOPE ANGLE = 61.5; N = 0.543

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

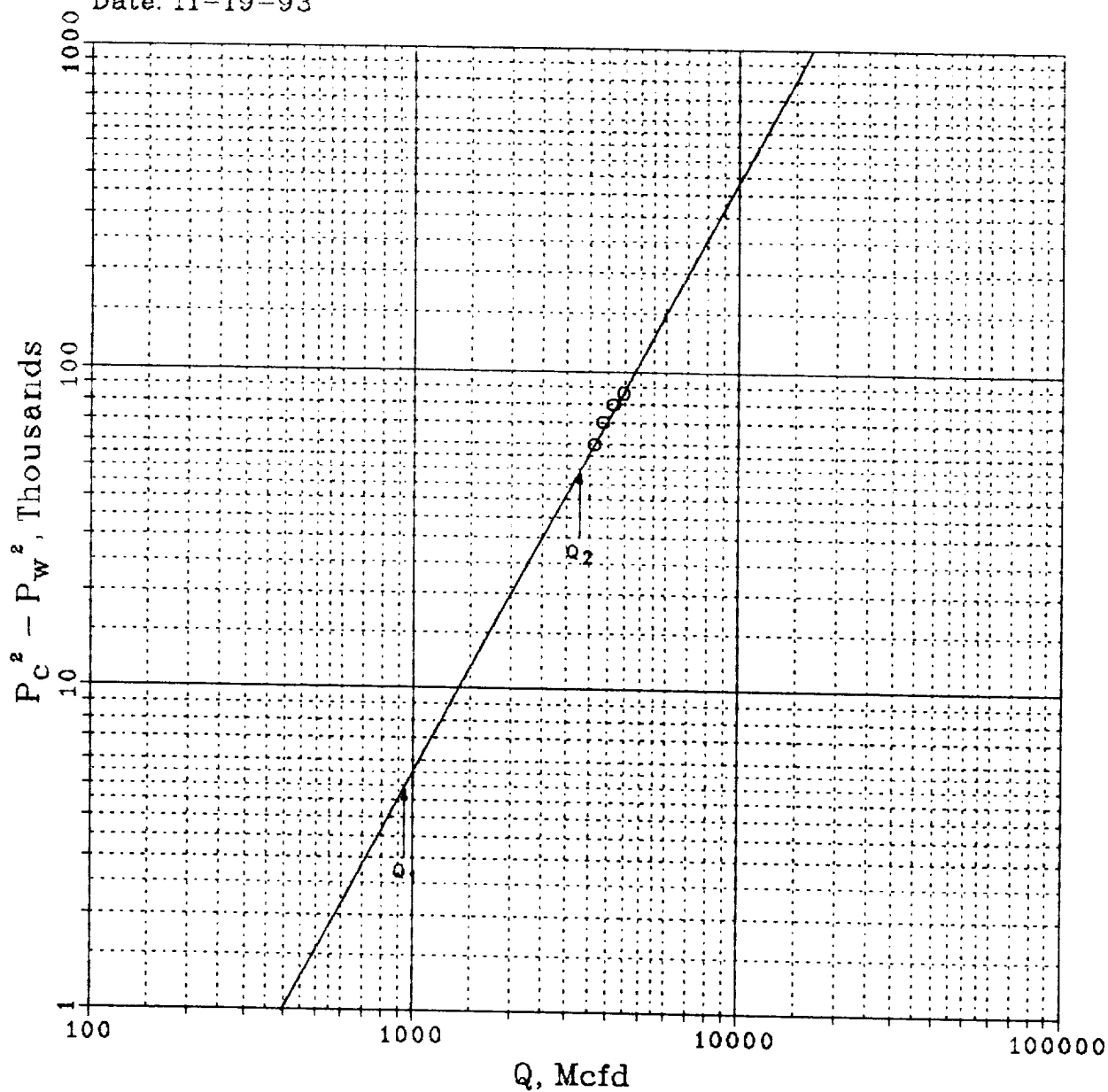
CHECKED BY:

Billy E. Krumm

L. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2132131G
Field/Pool: Bravo Dome
County: Harding
Date: 11-19-93



$$\begin{aligned} Q_1 &= 941. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.97374 \\ Q_2 &= 3290. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.51723 \\ & & n &= 0.54350 = 0.543 \end{aligned}$$