

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2132241F
 S/T/R : 24, 21, 32
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 9/29/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 07-20-93 TD = 2405.
 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 = 2395. ELEV = 4946.
 SET AT 2404. PERF: 2250.- 2388.
 SET AT 2246. PERF: 0.- 0.
 PACKER SET AT: 2209.

RESERVOIR TEMP., F = 95. @ 2405. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2405.	2405.	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						283.	50.	0.		24.0
1	4.00 X	2.375	181.	44.9	57.	181.	57.	0.	0.	1.0
2	4.00 X	2.375	149.	63.4	55.	150.	55.	0.	0.	1.0
3	4.00 X	2.375	118.	87.4	52.	120.	52.	0.	0.	1.0
4	4.00 X	2.375	88.	124.2	50.	92.	50.	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	29.04	93.26	193.7	1.0032	0.8092	1.0575	2325.
2	29.04	101.16	161.4	1.0050	0.8092	1.0472	2502.
3	29.04	106.88	130.7	1.0074	0.8092	1.0377	2625.
4	29.04	111.72	100.5	1.0102	0.8092	1.0286	2728.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.31	517.	0.80	0.894	GAS LIQ RATIO, MCF/BBL	0.000
2	0.26	515.	0.79	0.912	API G OF HYDROCARBONS	0.0
3	0.21	512.	0.79	0.929	SP G SEPARATOR GAS	1.527 XXXXX
4	0.16	510.	0.79	0.945	SP G FLOWING FLUID	XXXXX 1.527
					CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	195.	38.	49.	PC =	295.5
2	26.	165.	27.	60.	PC*PC =	87.
3	18.	137.	19.	69.	PC*PC/(PC*PC-PW*PW) =	1.1608
4	11.	110.	12.	75.	(PC*PC/(PC*PC-PW*PW))*N =	1.0774
					AOE (MCF/DAY) =	2939.

CALC WH OPEN FLOW = 2939. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

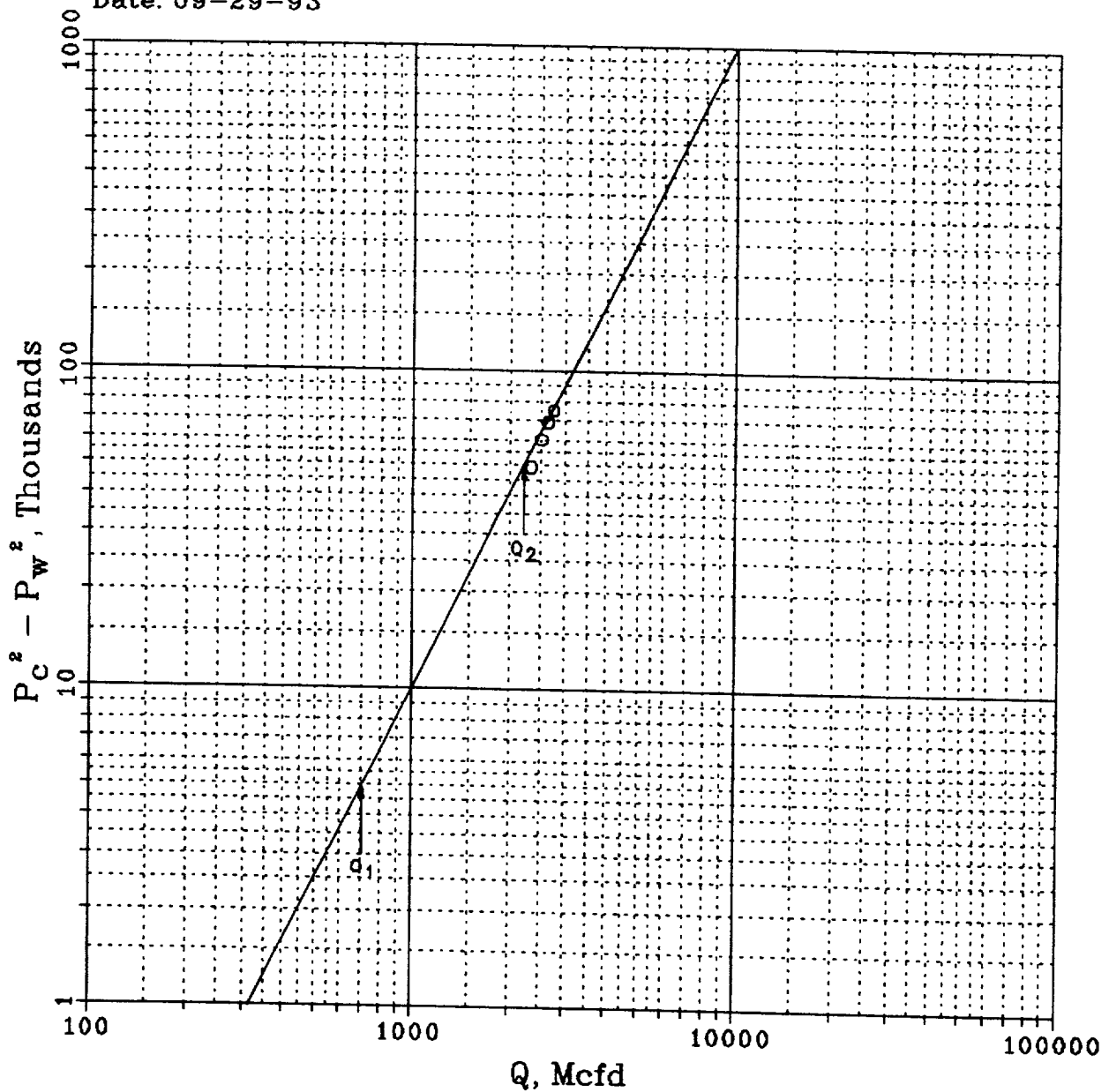
CHECKED BY:

B. E. K...

B. J. Ford

**GAS WELL
BACK PRESSURE TEST**

Company: Amoco Production Company
Well: 2132241F
Field/Pool: Bravo Dome
County: Harding
Date: 09-29-93



$$\begin{aligned} Q_1 &= 703. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.84711 \\ Q_2 &= 2224. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.34713 \\ n &= 0.50002 = 0.500 \end{aligned}$$