

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2134291K
 S/T/R : 29,21,34
 COUNTY: UNION
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 11/29/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-16-93 TD = 2604.
 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 = 2555. ELEV = 4914.
 SET AT 2604. PERF: 2410. - 2507.
 SET AT 0. PERF: 0. - 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2604. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2604.	2604.	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.		227.	50.	24.0
1	3.99 X	3.500	172.	11.0	63.	0.	0.	174.	63.	1.0
2	3.99 X	3.500	148.	17.0	63.	0.	0.	150.	63.	1.0
3	3.99 X	3.500	116.	27.0	62.	0.	0.	120.	62.	1.0
4	3.99 X	3.500	78.	48.0	59.	0.	0.	84.	59.	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	90.05	45.01	184.2	0.9971	0.8092	1.0545	3448.
2	90.05	52.19	160.2	0.9971	0.8092	1.0468	3969.
3	90.05	58.83	128.2	0.9981	0.8092	1.0370	4437.
4	90.05	65.80	90.2	1.0010	0.8092	1.0256	4922.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.29	523.	0.81	0.899	API G OF HYDROCARBONS	0.0
2	0.26	523.	0.81	0.912	SP G SEPARATOR GAS	1.527 XXXXX
3	0.20	522.	0.81	0.930	SP G FLOWING FLUID	XXXXX 1.527
4	0.14	519.	0.80	0.951	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	239.4
1	35.	186.	35.	23.	PC*PC =	57.
2	26.	162.	26.	31.	PC*PC/(PC*PC-PW*PW) =	1.1925
3	17.	132.	17.	40.	(PC*PC/(PC*PC-PW*PW))*N =	1.0920
4	9.	96.	9.	48.	AOE (MCF/DAY) =	5375.

CALC WH OPEN FLOW = 5375. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

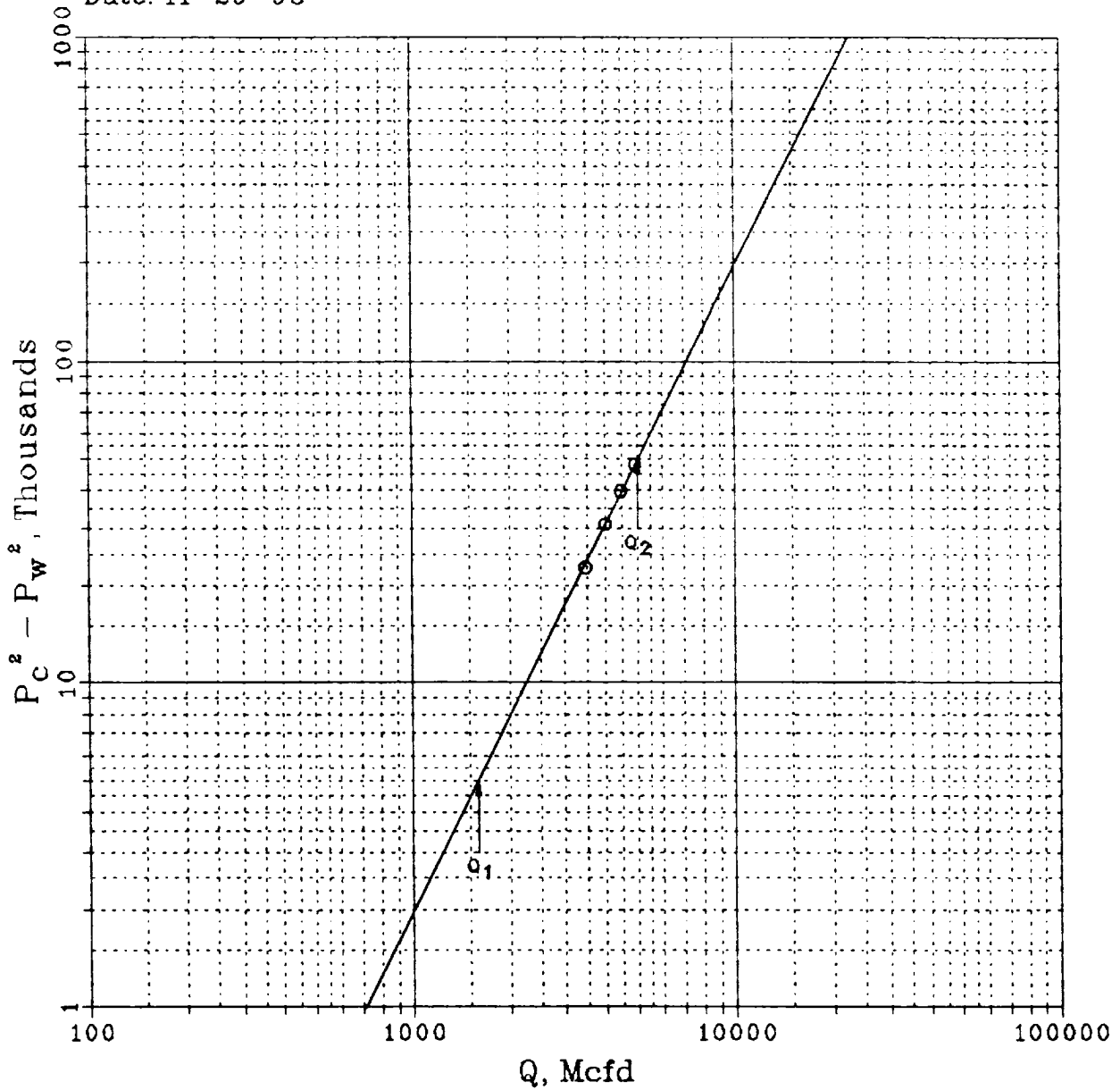
CHECKED BY:

Billy E. Rubin

211 Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2134291K
 Field/Pool: Bravo Dome
 County: Union
 Date: 11-29-93



$$\begin{aligned}
 Q_1 &= 1588. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.20077 \\
 Q_2 &= 5021. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.70079 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$