

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133231K
S/T/R : 23,21,33
COUNTY : HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 9/28/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 07-20-93 TD = 2776.
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 = 2520. ELEV = 4886.
SET AT 2776. PERF: 2304.- 2440.
SET AT 2303. PERF: 0.- 0.
PACKER SET AT: 2274.

RESERVOIR TEMP., F = 95. @ 2776. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2776.	2776.	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	2.250	184.	21.1	62.	183.	62.	0.	0.	24.0
2	3.99 X	2.250	152.	34.1	61.	152.	61.	0.	0.	1.0
3	3.99 X	2.250	119.	51.6	60.	120.	60.	0.	0.	1.0
4	3.99 X	2.250	88.	77.1	58.	90.	58.	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	25.70	64.36	196.3	0.9984	0.8092	1.0583	1414.
2	25.70	74.94	164.7	0.9994	0.8092	1.0483	1633.
3	25.70	82.40	131.6	1.0005	0.8092	1.0380	1779.
4	25.70	87.76	99.9	1.0016	0.8092	1.0285	1880.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	522.	0.80	0.893	API G OF HYDROCARBONS	0.0
2	0.26	521.	0.80	0.910	SP G SEPARATOR GAS	1.527
3	0.21	520.	0.80	0.928	SP G FLOWING FLUID	XXXXX
4	0.16	518.	0.80	0.945	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	297.9
1	38.	196.	38.	50.	PC*PC =	89.
2	27.	166.	27.	61.	PC*PC/(PC*PC-PW*PW) =	1.1433
3	17.	134.	18.	71.	(PC*PC/(PC*PC-PW*PW))*N =	1.0927
4	11.	105.	11.	78.	AOE (MCF/DAY) =	2054.

CALC WH OPEN FLOW = 2054. MCFD @ 15.025; SLOPE ANGLE = 56.5; N = 0.662

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

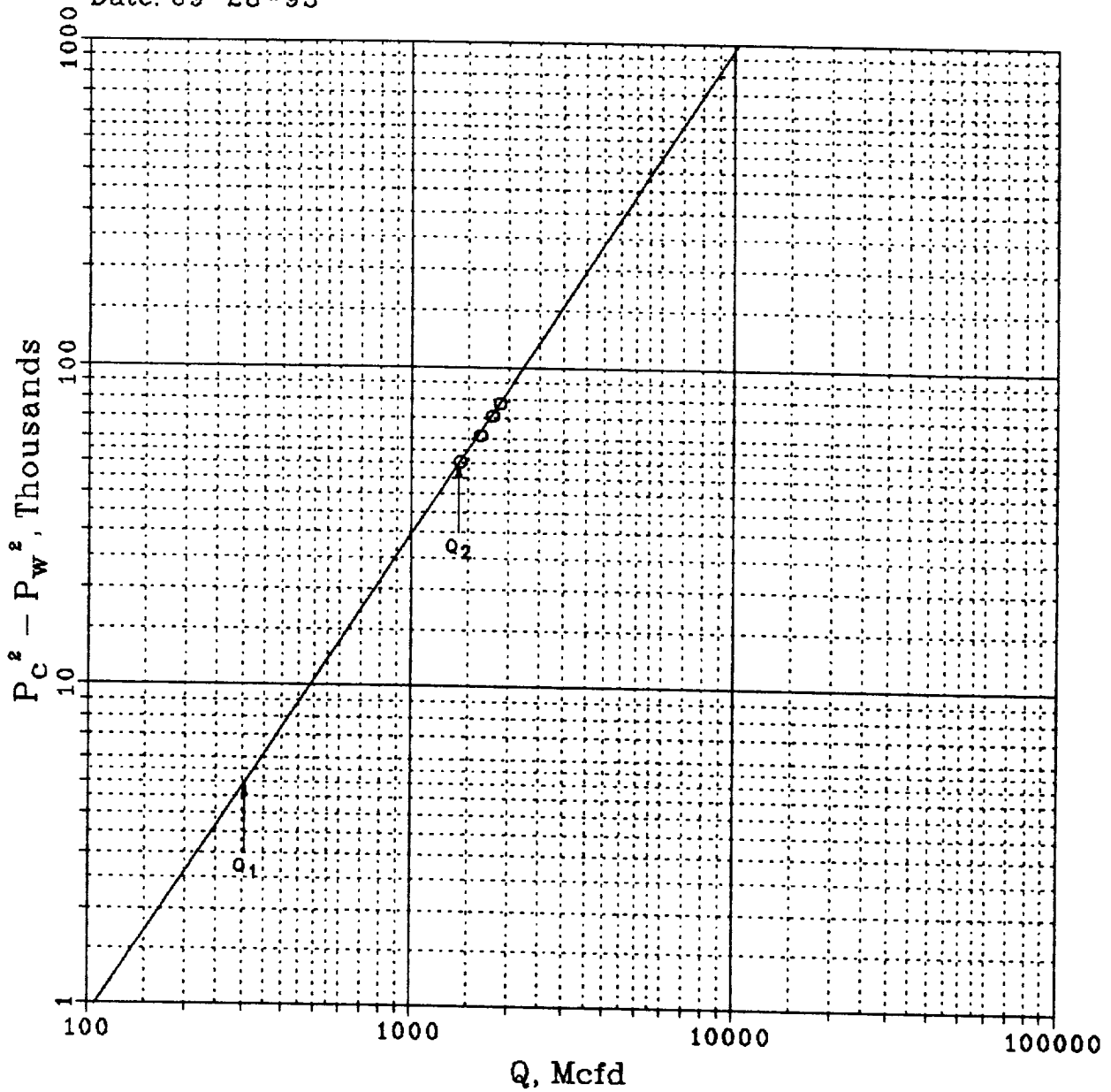
CHECKED BY:

Billy E. Pichee

LS Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2133231K
 Field/Pool: Bravo Dome
 County: Harding
 Date: 09-28-93



$$\begin{aligned}
 Q_1 &= 306. \text{ Mcfd}; \quad \text{LOG } Q_1 = 2.48545 \\
 Q_2 &= 1405. \text{ Mcfd}; \quad \text{LOG } Q_2 = 3.14771 \\
 n &= 0.66227 = 0.662
 \end{aligned}$$