

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133071G
S/T/R : 07,21,33
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 11/17/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-01-93 TD = 2505.
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 = 2428. ELEV = 4906.
SET AT 2505. PERF: 2272.- 2426.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2505. FT. BARO.PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2505.	2505.	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	3.98 X	2.750	180.	8.0	62.	0.	0.	270.	50.	24.0
2	3.98 X	2.750	151.	14.0	62.	0.	0.	181.	62.	1.0
3	3.98 X	2.750	120.	24.0	62.	0.	0.	151.	62.	1.0
4	3.98 X	2.750	88.	38.0	62.	0.	0.	121.	62.	1.0
								89.	62.	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	41.32	39.21	192.2	0.9981	0.8092	1.0570	1383.
2	41.32	47.80	163.2	0.9981	0.8092	1.0478	1671.
3	41.32	56.33	132.2	0.9981	0.8092	1.0382	1951.
4	41.32	61.71	100.2	0.9981	0.8092	1.0285	2118.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	522.	0.81	0.895	API G OF HYDROCARBONS	0.0
2	0.26	522.	0.81	0.911	SP G SEPARATOR GAS	1.527
3	0.21	522.	0.81	0.928	SP G FLOWING FLUID	XXXXX
4	0.16	522.	0.81	0.945	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	282.5
1	37.	193.	37.	43.	PC*PC =	80.
2	27.	163.	27.	53.	PC*PC/(PC*PC-PW*PW) =	1.1470
3	18.	133.	18.	62.	(PC*PC/(PC*PC-PW*PW))*N =	1.1266
4	10.	101.	10.	70.	AOE (MCF/DAY) =	2386.

CALC WH OPEN FLOW = 2386. MCFD @ 15.025; SLOPE ANGLE = 49.0; N = 0.870

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

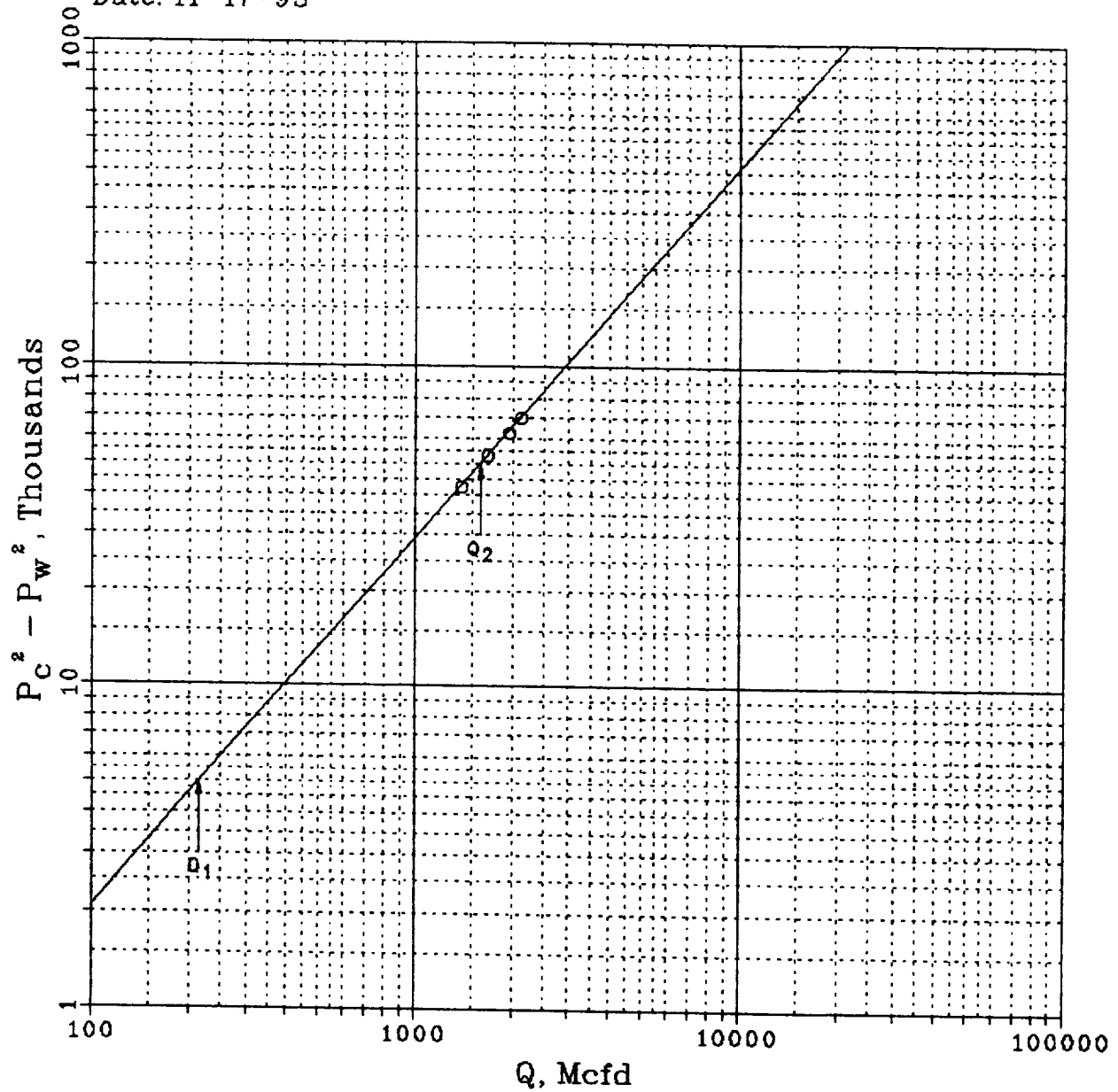
CHECKED BY:

Billy E. Prichard

A. H. H.

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133071G
Field/Pool: Bravo Dome
County: Harding
Date: 11-17-93



$$\begin{aligned}
 Q_1 &= 215. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.33153 \\
 Q_e &= 1589. \text{ Mcfd}; & \text{LOG } Q_e &= 3.20111 \\
 n &= 0.86957 = 0.870
 \end{aligned}$$