

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2233301G
S/T/R : 30,22,33
COUNTY: UNION
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 12/ 8/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL:
COMPLETED 09-20-93 TD = 2529.
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 = 2504. ELEV = 4825.
SET AT 2529. PERF: 2262.- 2363.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2529. FT. BARO.PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2529.	2529.	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.		245.	50.	24.0
1	3.95 X	2.875	178.	37.0	63.	0.	0.	182.	63.	1.0
2	3.95 X	2.875	144.	42.0	63.	0.	0.	147.	63.	1.0
3	3.95 X	2.875	117.	48.0	62.	0.	0.	120.	62.	1.0
4	3.95 X	2.875	86.	69.0	60.	0.	0.	91.	60.	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	46.58	83.89	190.2	0.9971	0.8092	1.0564	3330.
2	46.58	81.00	156.2	0.9971	0.8092	1.0456	3183.
3	46.58	78.75	129.2	0.9981	0.8092	1.0373	3073.
4	46.58	82.32	98.2	1.0000	0.8092	1.0279	3189.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.30	523.	0.81	0.896	API G OF HYDROCARBONS	0.0
2	0.25	523.	0.81	0.915	SP G SEPARATOR GAS	XXXXX
3	0.21	522.	0.81	0.929	SP G FLOWING FLUID	XXXXX
4	0.16	520.	0.80	0.946	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	257.4
1	38.	194.	38.	29.	PC*PC =	66.
2	25.	159.	25.	41.	PC*PC/(PC*PC-PW*PW) =	2.3143
3	17.	132.	17.	49.	(PC*PC/(PC*PC-PW*PW))*N =	1.5213
4	11.	103.	11.	56.	AOE (MCF/DAY) =	5066.

CALC WH OPEN FLOW = 5066. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

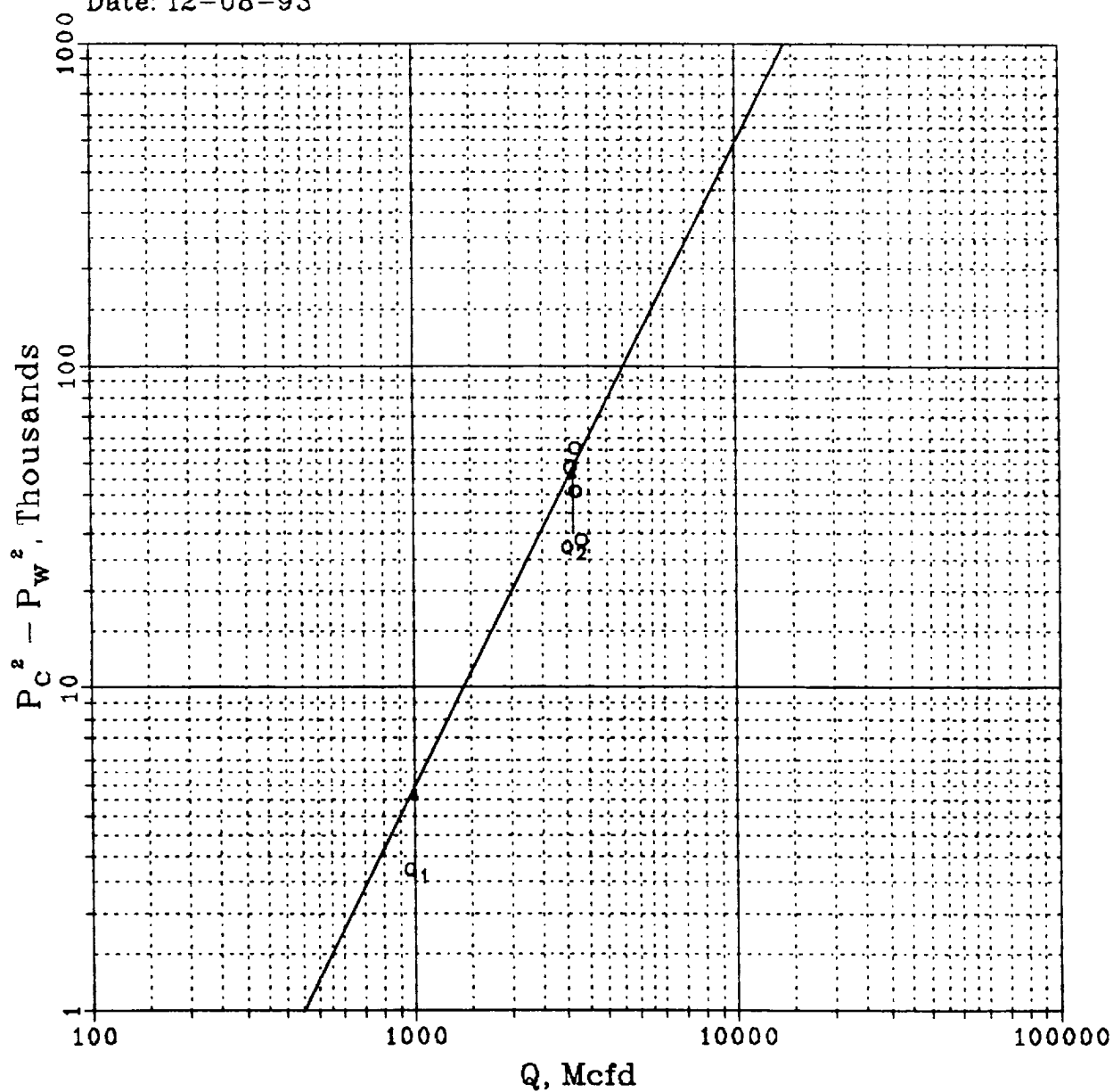
CHECKED BY:

Billy E. Kuchan

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GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2233301G
Field/Pool: Bravo Dome
County: Union
Date: 12-08-93



$$\begin{aligned}
 Q_1 &= 998. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.99925 \\
 Q_2 &= 3157. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.49927 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$