

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2232361E
S/T/R : 36,22,32
COUNTY: UNION
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 12/14/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-24-93 TD = 2444.
CSG SIZE = 4.5000 WT = 4.56
TBG SIZE = 2.3750 WT = 1.34
TYPE COMPLETION: SINGLE
PRODUCING THROUGH: TUBING

CONNECTION: BRAVO DOME PLANT
RESERVOIR: TUBB
PBD = 2270. ELEV = 4857.
SET AT 2433. PERF: 2152.- 2388.
SET AT 2164. PERF: 0.- 0.
PACKER SET AT: 2129.

RESERVOIR TEMP., F = 95. @ 2444. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2444.	2444.	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						288.	50.	0.		24.0
1	3.99 X	2.750	182.	9.0	57.	179.	57.	0.	0.	1.0
2	3.99 X	2.750	149.	13.6	56.	147.	56.	0.	0.	1.0
3	3.99 X	2.750	120.	17.3	54.	118.	54.	0.	0.	1.0
4	3.99 X	2.750	88.	24.3	51.	87.	51.	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	41.26	41.79	194.0	1.0031	0.8092	1.0576	1480.
2	41.26	46.81	161.1	1.0044	0.8092	1.0471	1643.
3	41.26	47.90	132.6	1.0059	0.8092	1.0383	1670.
4	41.26	49.25	99.8	1.0085	0.8092	1.0284	1705.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	517.	0.80	0.894	API G OF HYDROCARBONS	0.0
2	0.26	516.	0.80	0.912	SP G SEPARATOR GAS	1.527 XXXXX
3	0.21	514.	0.79	0.928	SP G FLOWING FLUID	XXXXX 1.527
4	0.16	511.	0.79	0.945	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	300.5
1	37.	194.	38.	53.	PC*PC =	90.
2	25.	164.	27.	63.	PC*PC/(PC*PC-PW*PW) =	1.1440
3	17.	136.	19.	72.	(PC*PC/(PC*PC-PW*PW))**N =	1.0696
4	10.	107.	11.	79.	AOE (MCF/DAY) =	1824.

CALC WH OPEN FLOW = 1824. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

Billy E. Pruhare

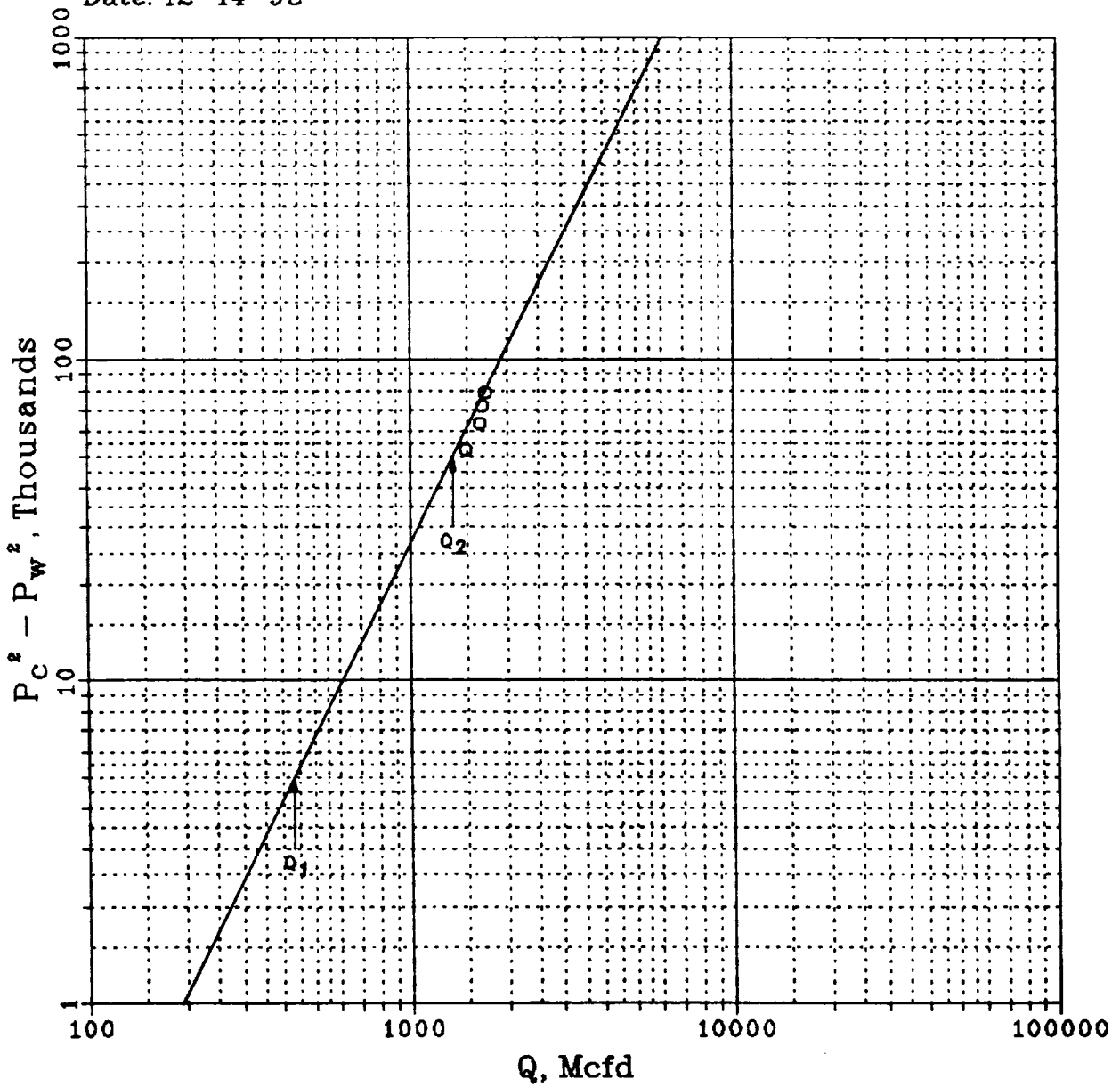
CALCULATED BY:

CHECKED BY:

H. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2232361E
Field/Pool: Bravo Dome
County: Union
Date: 12-14-93



$$\begin{aligned} Q_1 &= 429. \text{ Mcfd}; \quad \text{LOG } Q_1 = 2.63259 \\ Q_2 &= 1357. \text{ Mcfd}; \quad \text{LOG } Q_2 = 3.13261 \\ n &= 0.50002 = 0.500 \end{aligned}$$