

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2233331G
 S/T/R : 33,22,33
 COUNTY : UNION
 STATE : NEW MEXICO
 COMPANY : AMOCO PRODUCTION COMPANY
 FIELD : BRAVO DOME POOL : N/A
 COMPLETED 08-01-93 TD = 2224.
 CSG SIZE = 4.5000 WT = 4.56
 TBG SIZE = 0.0000 WT = 0.00
 TYPE COMPLETION : SINGLE
 PRODUCING THROUGH : OPENHOLE

TYPE TEST : 4 POINT
 : INITIAL
 TEST DATE : 10/ 4/93

CONNECTION : BRAVO DOME PLANT
 RESERVOIR : TUBB
 PBD = 2209. ELEV = 4754.
 SET AT 2114. PERF : 0.- 0.
 SET AT 0. PERF : 0.- 0.
 PACKER SET AT : 0.

RESERVOIR TEMP., F = 95. @ 2224. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2224.	2224.	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.		277.	50.	24.0
1	4.00 X	2.125	182.	24.2	64.	0.	0.	184.	64.	1.0
2	4.00 X	2.125	155.	40.6	62.	0.	0.	156.	62.	1.0
3	4.00 X	2.125	119.	74.4	64.	0.	0.	122.	64.	1.0
4	4.00 X	2.125	88.	124.2	63.	0.	0.	92.	63.	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	22.63	68.62	194.6	0.9966	0.8092	1.0578	1324.
2	22.63	82.32	166.9	0.9977	0.8092	1.0490	1577.
3	22.63	98.95	131.6	0.9963	0.8092	1.0380	1873.
4	22.63	111.83	100.7	0.9972	0.8092	1.0287	2100.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	524.	0.81	0.894	API G OF HYDROCARBONS	0.0
2	0.27	522.	0.81	0.909	SP G SEPARATOR GAS	1.527
3	0.21	524.	0.81	0.928	SP G FLOWING FLUID	XXXXX
4	0.16	523.	0.81	0.945	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	289.6
1	38.	196.	38.	46.	PC*PC =	84.
2	28.	168.	28.	56.	PC*PC/(PC*PC-PW*PW) =	1.1497
3	18.	134.	18.	66.	(PC*PC/(PC*PC-PW*PW))*N =	1.1481
4	11.	105.	11.	73.	AOE (MCF/DAY) =	2411.

CALC WH OPEN FLOW = 2411. MCFD @ 15.025; SLOPE ANGLE = 45.3; N = 0.990

REMARKS : AVERAGE HOURS PRODUCED/DAY : 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

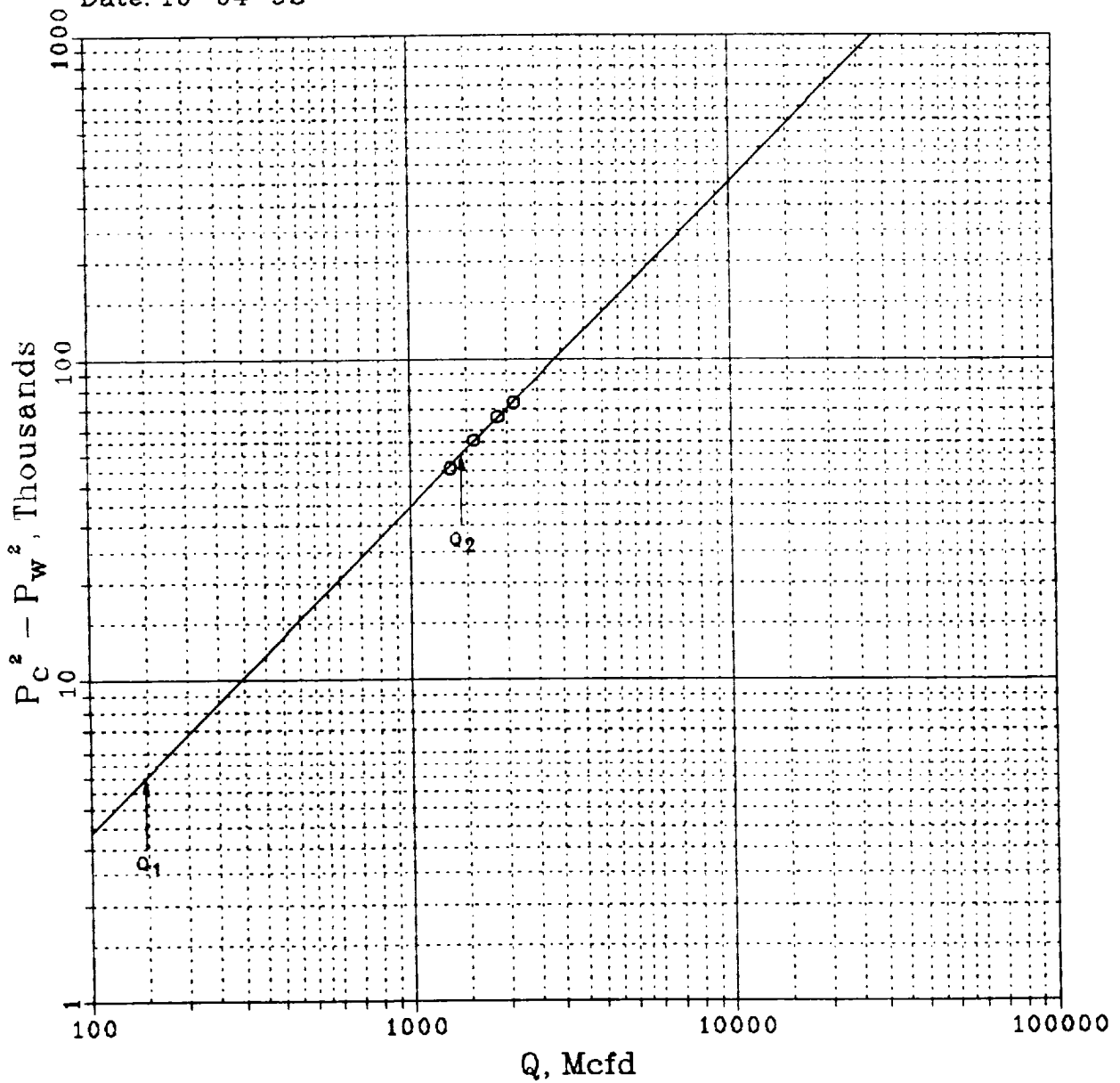
CHECKED BY:

Billy E. Erickson

H. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2233331G
Field/Pool: Bravo Dome
County: Union
Date: 10-04-93



$$\begin{aligned} Q_1 &= 148. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.16964 \\ Q_2 &= 1445. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.15974 \\ n &= 0.99010 = 0.990 \end{aligned}$$