

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2132131G
S/T/R : 13,21,32
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 11/ 3/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 08-20-93 TD = 2451.
CSG SIZE = 4.5000 WT = 4.70
TBG SIZE = 0.0000 WT = 0.00
TYPE COMPLETION: SINGLE
PRODUCING THROUGH: CASING

CONNECTION: BRAVO DOME PLANT
RESERVOIR: TUBB
PBD = 2433. ELEV = 4914.
SET AT 2451. PERF: 2221.- 2413.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2451. FT. BARO.PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2451.	2451.	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.		264.	50.	24.0
1	3.98 X	3.500	179.	20.0	62.	0.	0.	180.	62.	1.0
2	3.98 X	3.500	149.	21.0	60.	0.	0.	150.	60.	1.0
3	3.98 X	3.500	116.	28.0	58.	0.	0.	119.	58.	1.0
4	3.98 X	3.500	83.	40.0	55.	0.	0.	90.	55.	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	90.26	61.84	191.2	0.9981	0.8092	1.0567	4764.
2	90.26	58.18	161.2	1.0000	0.8092	1.0472	4450.
3	90.26	59.91	128.2	1.0019	0.8092	1.0370	4546.
4	90.26	61.71	95.2	1.0048	0.8092	1.0271	4652.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.31	522.	0.81	0.896	API G OF HYDROCARBONS	0.000
2	0.26	520.	0.80	0.912	SP G SEPARATOR GAS	0.0
3	0.20	518.	0.80	0.930	SP G FLOWING FLUID	1.527 XXXXX
4	0.15	515.	0.79	0.948	CRITICAL PRES., PSIA	1.527 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	192.	37.	40.	PC =	276.5
2	26.	162.	26.	50.	PC*PC =	76.
3	17.	131.	17.	59.	PC*PC/(PC*PC-PW*PW) =	1.9323
4	10.	102.	10.	66.	(PC*PC/(PC*PC-PW*PW))*N =	1.3901
					AOE (MCF/DAY) =	6622.

CALC WH OPEN FLOW = 6622. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

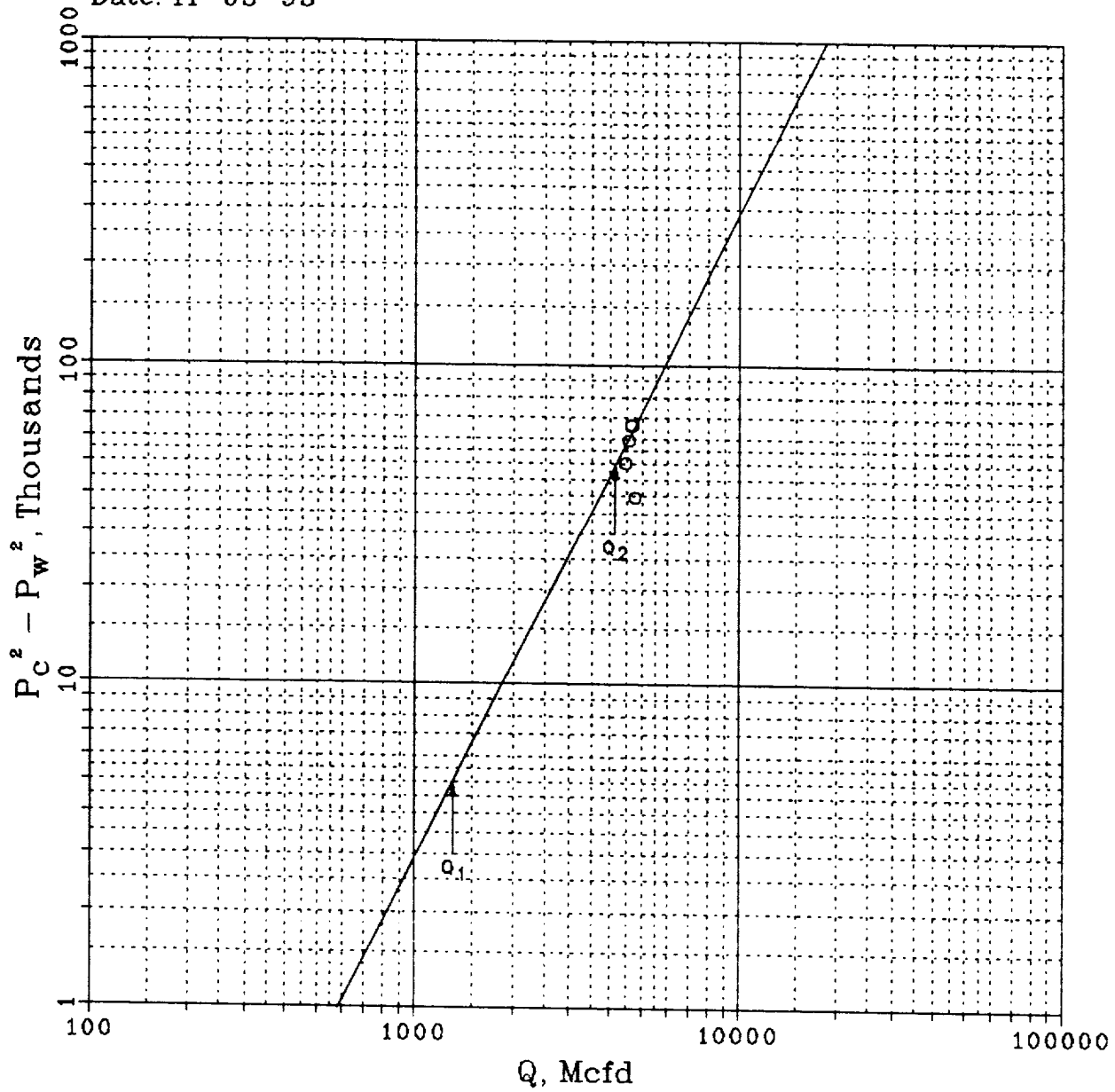
CHECKED BY:

Billy E. Vreth

J. H. Ford

BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2132131G
 Field/Pool: Bravo Dome
 County: Harding
 Date: 11-03-93



$$\begin{aligned}
 Q_1 &= 1311. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.11763 \\
 Q_2 &= 4146. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.61764 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$