

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133161G
 S/T/R : 16,21,33
 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 08-24-93 TD = 2443.
 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 = 4824.
 SET AT 2443. PERF: 2246.- 2370.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2443. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2443.	2443.	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	3.96 X	3.500	179.	19.0	58.	0.		273.	50.	24.0
2	3.96 X	3.500	147.	28.0	57.	0.	0.	180.	58.	1.0
3	3.96 X	3.500	114.	41.0	55.	0.	0.	149.	57.	1.0
4	3.96 X	3.500	81.	63.0	52.	0.	0.	119.	55.	1.0
								89.	52.	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	91.21	60.27	191.2	1.0019	0.8092	1.0567	4709.
2	91.21	66.77	159.2	1.0029	0.8092	1.0465	5172.
3	91.21	71.93	126.2	1.0048	0.8092	1.0364	5528.
4	91.21	76.63	93.2	1.0078	0.8092	1.0265	5850.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	518.	0.80	0.896	API G OF HYDROCARBONS	0.0
2	0.25	517.	0.80	0.913	SP G SEPARATOR GAS	1.527 XXXXX
3	0.20	515.	0.79	0.931	SP G FLOWING FLUID	XXXXX 1.527
4	0.15	512.	0.79	0.949	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	285.5
1	37.	192.	37.	45.	PC*PC =	82.
2	26.	161.	26.	56.	PC*PC/(PC*PC-PW*PW) =	1.1439
3	17.	131.	17.	64.	(PC*PC/(PC*PC-PW*PW))*N =	1.0695
4	10.	101.	10.	71.	AOE (MCF/DAY) =	6257.

CALC WH OPEN FLOW = 6257. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

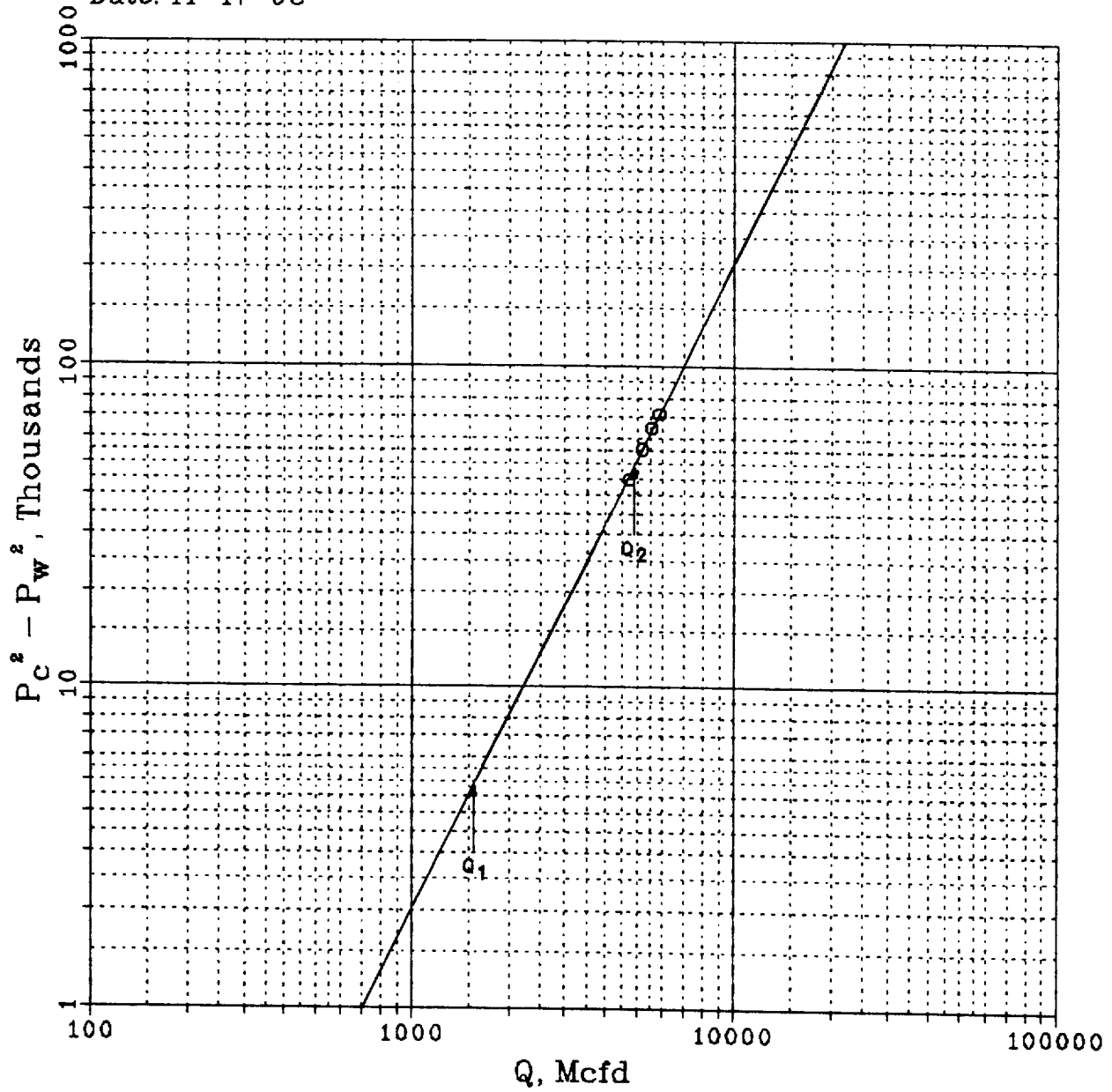
CHECKED BY:

Billy E. Pruber

H. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133161G
Field/Pool: Bravo Dome
County: Harding
Date: 11-17-93



$$\begin{aligned}
 Q_1 &= 1550. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.19021 \\
 Q_2 &= 4900. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.69023 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$