

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

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2134301F
S/T/R : 30, 21, 34
COUNTY: UNION
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 11/24/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-13-93 TD = 2576.
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 = 2540. ELEV = 4943.
SET AT 2576. PERF: 2404.- 2476.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2576. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2576.	2576.	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.		234.	50.	24.0
1	3.97 X	3.500	178.	18.0	62.	0.	0.	180.	62.	1.0
2	3.97 X	3.500	148.	30.0	61.	0.	0.	149.	61.	1.0
3	3.97 X	3.500	115.	49.0	59.	0.	0.	117.	59.	1.0
4	3.97 X	3.500	82.	82.0	55.	0.	0.	89.	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	90.65	58.51	190.2	0.9981	0.8092	1.0564	4525.
2	90.65	69.33	160.2	0.9990	0.8092	1.0468	5318.
3	90.65	78.95	127.2	1.0010	0.8092	1.0367	6009.
4	90.65	87.89	94.2	1.0048	0.8092	1.0268	6651.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.30	522.	0.81	0.896	API G OF HYDROCARBONS	0.0
2	0.26	521.	0.80	0.912	SP G SEPARATOR GAS	1.527 XXXXX
3	0.20	519.	0.80	0.931	SP G FLOWING FLUID	XXXXX 1.527
4	0.15	515.	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 =	246.4
1	37.	192.	37.	24.	PC*PC =	61.
2	26.	161.	26.	35.	PC*PC/(PC*PC-PW*PW) =	1.2029
3	17.	129.	17.	44.	(PC*PC/(PC*PC-PW*PW))**N =	1.0999
4	10.	101.	10.	50.	AOE (MCF/DAY) =	7316.

CALC WH OPEN FLOW = 7316. MCFD @ 15.025; SLOPE ANGLE = 62.7; N = 0.515

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

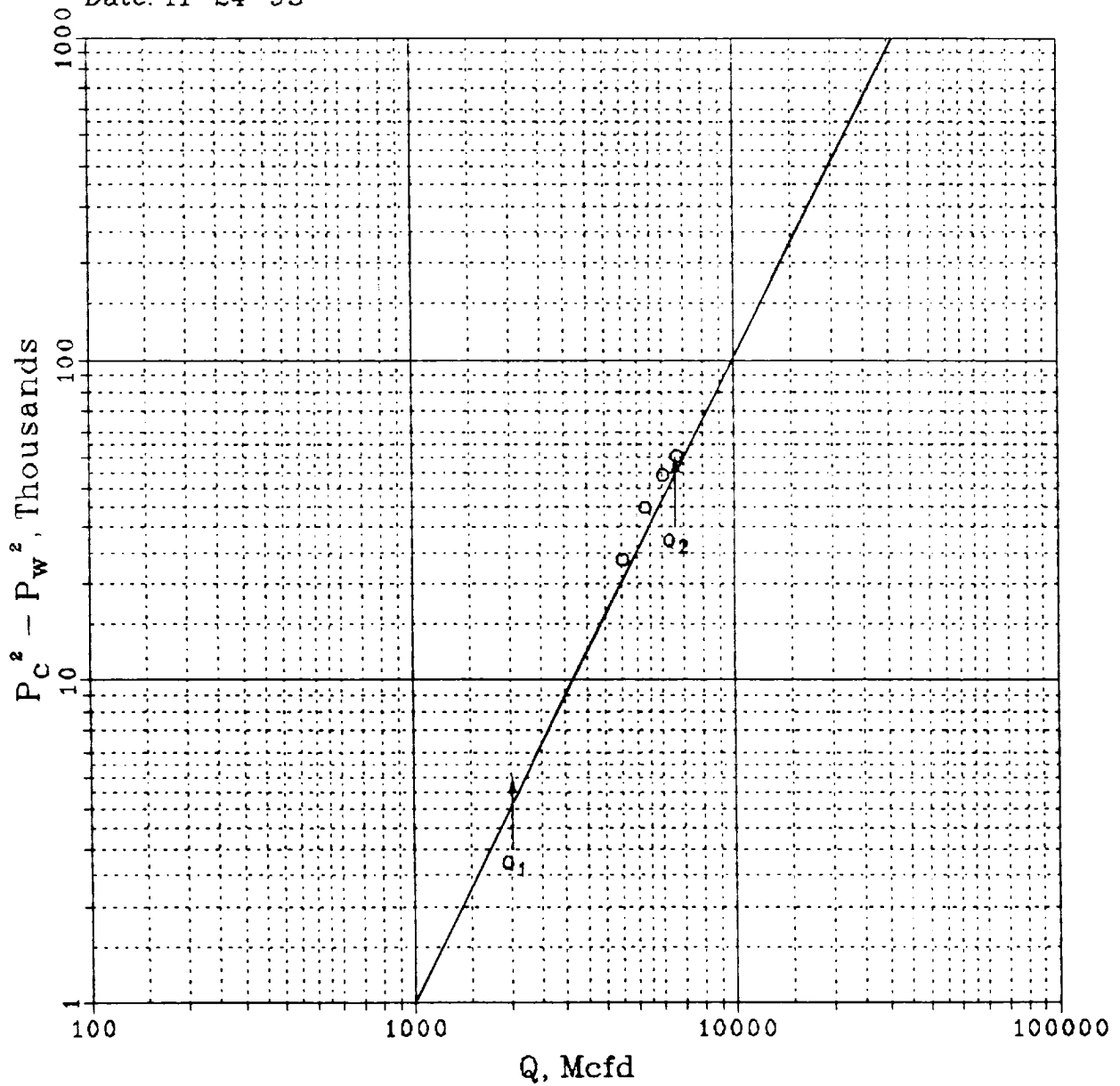
CHECKED BY:

Billy E. Prater

A. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2134301F
Field/Pool: Bravo Dome
County: Union
Date: 11-24-93



$$\begin{aligned}
 Q_1 &= 2020. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.30525 \\
 Q_2 &= 6618. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.82073 \\
 n &= 0.51548 = 0.515
 \end{aligned}$$