

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU

LEASE :

WELL : 2233321K

S/T/R : 32,22,33

COUNTY: UNION

STATE : NEW MEXICO

COMPANY: AMOCO PRODUCTION COMPANY

FIELD: BRAVO DOME POOL: N/A

COMPLETED 07-20-93 TD = 3506.

CSG SIZE = 5.5000 WT = 14.00

TBG SIZE = 2.8750 WT = 1.70

TYPE COMPLETION: SINGLE

PRODUCING THROUGH: TUBING

TYPE TEST: 4 POINT

: INITIAL

TEST DATE: 9/24/93

CONNECTION: BRAVO DOME PLANT

RESERVOIR: TUBB

PBD = 3310. ELEV = 4930.

SET AT 3506. PERF: 2361.- 2426.

SET AT 2338. PERF: 0.- 0.

PACKER SET AT: 2308.

RESERVOIR TEMP., F = 95. @ 3506. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
3506.	3506.	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						268.	50.	0.		24.0
1	4.03 X	2.375	186.	20.2	60.	184.	60.	0.	0.	1.0
2	4.03 X	2.375	151.	33.9	60.	149.	60.	0.	0.	1.0
3	4.03 X	2.375	121.	48.8	59.	121.	59.	0.	0.	1.0
4	4.03 X	2.375	88.	72.5	57.	90.	57.	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	28.97	63.27	198.2	1.0000	0.8092	1.0590	1571.
2	28.97	74.29	162.8	1.0001	0.8092	1.0477	1825.
3	28.97	80.65	133.3	1.0012	0.8092	1.0385	1966.
4	28.97	85.44	100.7	1.0028	0.8092	1.0287	2067.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.32	520.	0.80	0.892	API G OF HYDROCARBONS	0.0
2	0.26	520.	0.80	0.911	SP G SEPARATOR GAS	XXXXX
3	0.21	519.	0.80	0.927	SP G FLOWING FLUID	XXXXX
4	0.16	517.	0.80	0.945	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	280.5
1	38.	197.	39.	40.	PC*PC =	79.
2	26.	164.	27.	52.	PC*PC/(PC*PC-PW*PW) =	1.1678
3	18.	136.	19.	60.	(PC*PC/(PC*PC-PW*PW))*N =	1.0837
4	10.	106.	11.	67.	AOE (MCF/DAY) =	2239.

CALC WH OPEN FLOW = 2239. MCFD @ 15.025; SLOPE ANGLE = 62.6; N = 0.518

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

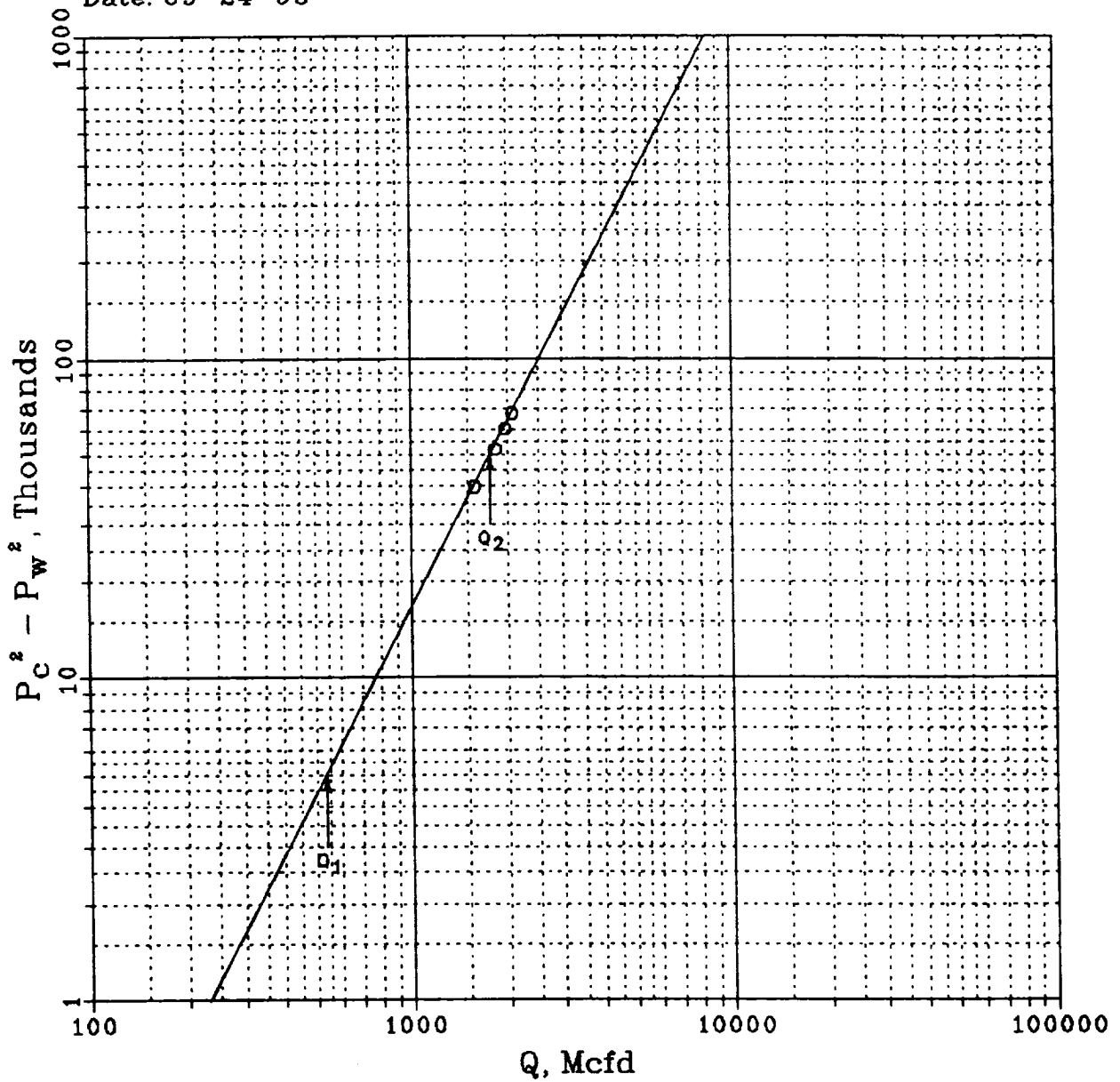
CHECKED BY:

Billy E. Hulme

W. J. Ford

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2233321K
 Field/Pool: Bravo Dome
 County: Union
 Date: 09-24-93



$$\begin{aligned}
 Q_1 &= 537. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.72993 \\
 Q_2 &= 1770. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.24809 \\
 n &= 0.51815 = 0.518
 \end{aligned}$$