

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2232261G
 S/T/R : 26,22,32
 COUNTY: UNION
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/14/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-21-93 TD = 2350.
 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 = 2318. ELEV = 4830.
 SET AT 2350. PERF: 2116. - 2264.
 SET AT 0. PERF: 0. - 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2350. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2350.	2350.	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	3.99 X	2.875	181.	20.7	62.	0.	0.	181.	62.	1.0
2	3.99 X	2.875	155.	28.5	63.	0.	0.	155.	63.	1.0
3	3.99 X	2.875	123.	42.0	63.	0.	0.	124.	63.	1.0
4	3.99 X	2.875	90.	62.7	62.	0.	0.	92.	62.	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	46.30	63.32	193.7	0.9978	0.8092	1.0575	2503.
2	46.30	68.99	167.0	0.9973	0.8092	1.0490	2704.
3	46.30	75.44	135.5	0.9976	0.8092	1.0392	2930.
4	46.30	80.17	102.5	0.9985	0.8092	1.0292	3087.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	522.	0.81	0.894	API G OF HYDROCARBONS	0.0
2	0.27	523.	0.81	0.909	SP G SEPARATOR GAS	1.527 XXXXX
3	0.22	523.	0.81	0.926	SP G FLOWING FLUID	XXXXX 1.527
4	0.16	522.	0.80	0.944	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	289.5
1	38.	194.	37.	46.	PC*PC =	84.
2	28.	167.	28.	56.	PC*PC/(PC*PC-PW*PW) =	1.1486
3	18.	136.	18.	65.	(PC*PC/(PC*PC-PW*PW))*N =	1.0717
4	11.	104.	11.	73.	AOF (MCF/DAY) =	3308.

CALC WH OPEN FLOW = 3308. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

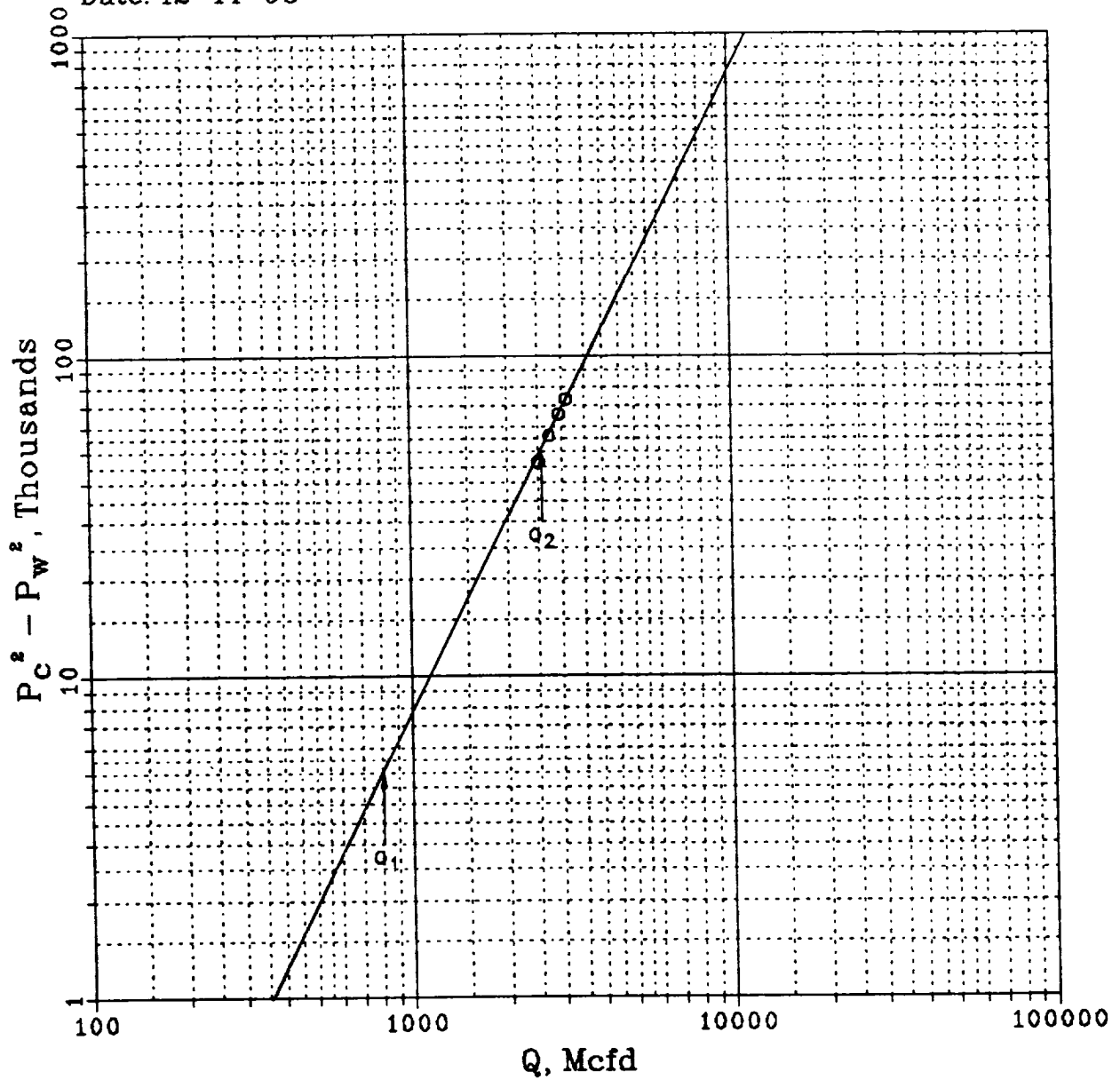
CHECKED BY:

Billy E. Pruhon

D. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2232261G
Field/Pool: Bravo Dome
County: Union
Date: 12-14-93



$$\begin{aligned} Q_1 &= 808. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.90740 \\ Q_2 &= 2555. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.40742 \\ n &= 0.50002 = 0.500 \end{aligned}$$