

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2132362G
 S/T/R : 36,21,32
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/13/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-17-93 TD = 2540.
 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 = 2508. ELEV = 4937.
 SET AT 2540. PERF: 2316.- 2386.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2540. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2540.	2540.	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	4.00 X	2.875	180.	38.0	62.	0.	0.	222.	50.	24.0
2	4.00 X	2.875	149.	76.0	61.	0.	0.	180.	62.	1.0
3	4.00 X	3.500	117.	36.0	59.	0.	0.	151.	61.	1.0
4	4.00 X	3.500	81.	63.0	57.	0.	0.	120.	59.	1.0
								87.	57.	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	46.22	85.46	192.2	0.9981	0.8092	1.0570	3372.
2	46.22	110.69	161.2	0.9990	0.8092	1.0472	4331.
3	89.46	68.20	129.2	1.0010	0.8092	1.0373	5126.
4	89.46	76.63	93.2	1.0029	0.8092	1.0265	5710.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.31	522.	0.81	0.895	GAS LIQ RATIO, MCF/BBL	0.000
2	0.26	521.	0.80	0.912	API G OF HYDROCARBONS	0.0
3	0.21	519.	0.80	0.929	SP G SEPARATOR GAS	1.527 XXXXX
4	0.15	517.	0.80	0.949	SP G FLOWING FLUID	XXXXXX 1.527
					CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	192.	37.	18.	PC =	234.4
2	27.	163.	27.	28.	PC*PC =	55.
3	17.	132.	17.	37.	PC*PC/(PC*PC-PW*PW) =	1.2181
4	10.	99.	10.	45.	(PC*PC/(PC*PC-PW*PW))*N =	1.1208
					AOE (MCF/DAY) =	6400.

CALC WH OPEN FLOW = 6400. MCFD @ 15.025; SLOPE ANGLE = 60.0; N = 0.578

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

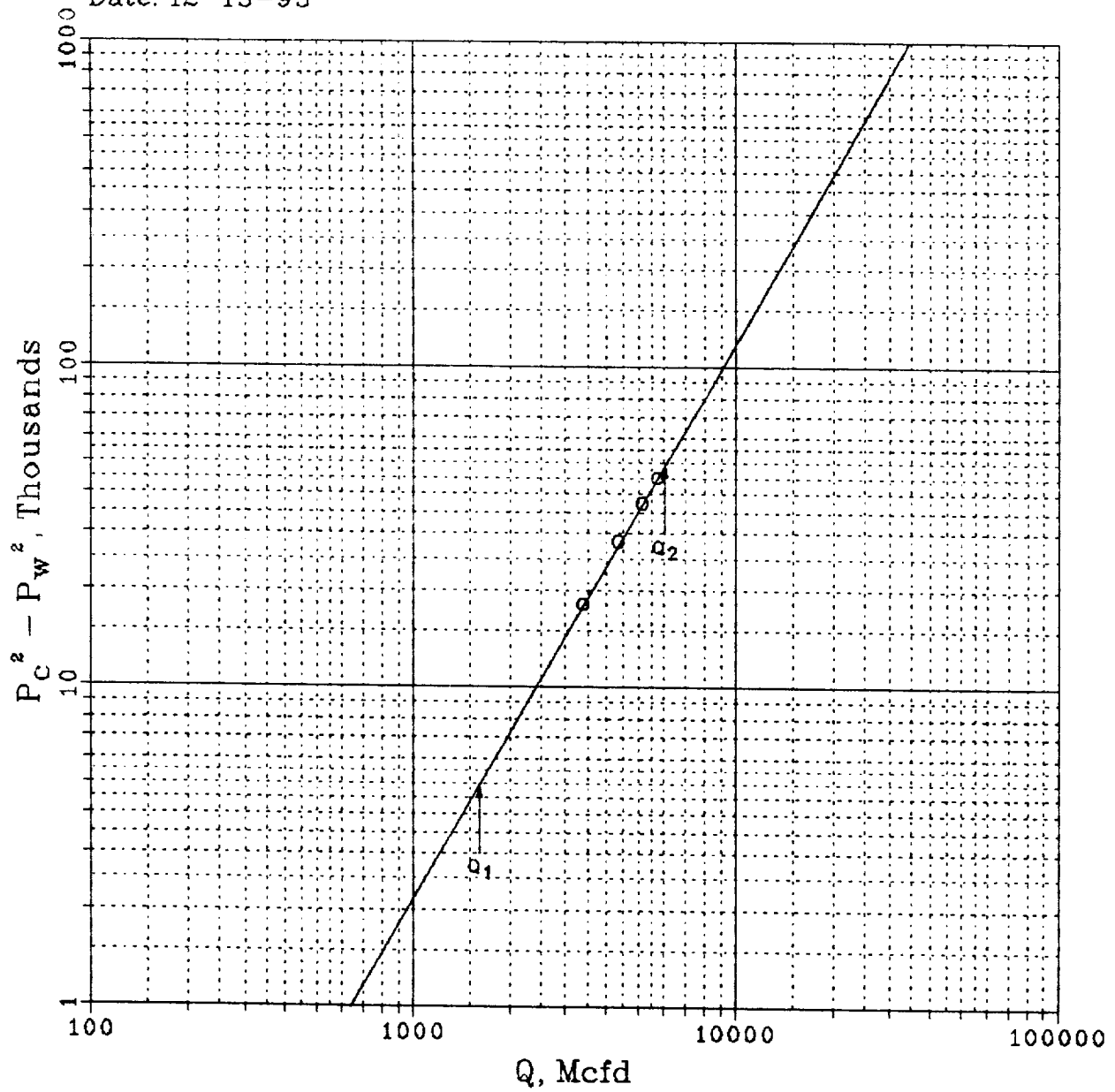
CHECKED BY:

Billy E. Ruben

J. J. Fera

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2132362G
Field/Pool: Bravo Dome
County: Harding
Date: 12-13-93



$$\begin{aligned}
 Q_1 &= 1601. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.20439 \\
 Q_2 &= 6060. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.78245 \\
 n &= 0.57805 = 0.578
 \end{aligned}$$