

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2033171G
 S/T/R : 17,20,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 11/18/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 10-08-93 TD = 2528.
 CSG SIZE = 4.5000 WT = 4.56
 TBG SIZE = 0.0000 WT = 0.00
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: OPENHOLE

CONNECTION: BRAVO DOME PLANT
 RESERVOIR: TUBB
 PBD = 2520. ELEV = 5036.
 SET AT 2451. PERF: 2506.- 2521.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2528. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2528.	2528.	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	3.97 X	1.000	181.	47.0	58.	0.	0.	207.	50.	24.0
2	3.97 X	1.000	144.	163.0	60.	0.	0.	182.	58.	1.0
3	3.97 X	1.500	116.	173.0	61.	0.	0.	150.	60.	1.0
4	3.97 X	1.500	89.	84.0	61.	0.	0.	122.	61.	1.0
								92.	61.	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	4.75	95.29	193.2	1.0019	0.8092	1.0573	388.
2	4.75	159.56	156.2	1.0000	0.8092	1.0456	642.
3	10.85	148.92	128.2	0.9990	0.8092	1.0370	1355.
4	10.85	92.20	101.2	0.9990	0.8092	1.0288	832.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.31	518.	0.80	0.894	API G OF HYDROCARBONS	0.000
2	0.25	520.	0.80	0.915	SP G SEPARATOR GAS	0.0
3	0.20	521.	0.80	0.930	SP G FLOWING FLUID	XXXXX
4	0.16	521.	0.80	0.945	CRITICAL PRES., PSIA	1.527
					CRITICAL TEMP., R	626.
						648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	38.	194.	38.	10.	PC =	219.4
2	26.	162.	26.	22.	PC*PC =	48.
3	18.	134.	18.	30.	PC*PC/(PC*PC-PW*PW) =	1.5965
4	11.	104.	11.	37.	(PC*PC/(PC*PC-PW*PW))*N =	1.5965
					AOE (MCF/DAY) =	2163.

CALC WH OPEN FLOW = 2163. MCFD @ 15.025; SLOPE ANGLE = 45.0; N = 1.000

REMARKS: WATER PRODUCTION HINDRANCE
AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

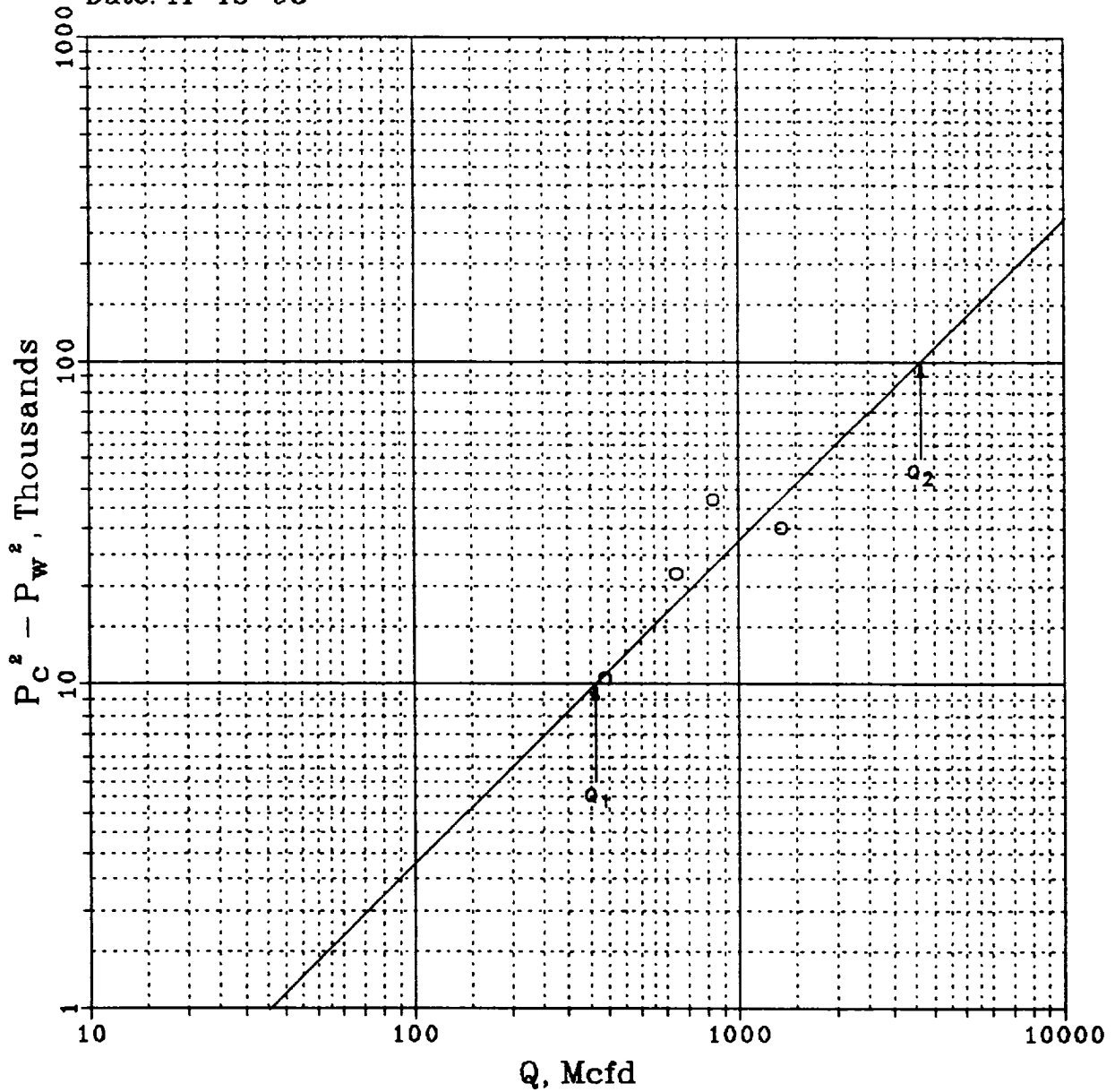
CHECKED BY:

Billy E. Prater

B. H. Hester

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2033171G
Field/Pool: Bravo Dome
County: Harding
Date: 11-18-93



$$\begin{aligned}
 Q_1 &= 363. \text{ Mcfd}; \quad \text{LOG } Q_1 = 2.56011 \\
 Q_2 &= 3632. \text{ Mcfd}; \quad \text{LOG } Q_2 = 3.56011 \\
 n &= 1.00000 = 1.000
 \end{aligned}$$