

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : ~~22321107~~
 S/T/R : 21,20,33
 COUNTY : HARDING
 STATE : NEW MEXICO
 COMPANY : AMOCO PRODUCTION COMPANY
 FIELD : BRAVO DOME POOL : N/A
 COMPLETED 10-13-93 TD = 2517.
 CSG SIZE = 4.5000 WT = 4.56
 TBG SIZE = 0.0000 WT = 0.00
 TYPE COMPLETION : SINGLE
 PRODUCING THROUGH : OPENHOLE

TYPE TEST : 4 POINT
 : INITIAL
 TEST DATE : 12/28/93

CONNECTION : BRAVO DOME PLANT
 RESERVOIR : TUBB
 PBD = 2506. ELEV = 5022.
 SET AT 2449. PERF : 2462.- 2505.
 SET AT 0. PERF : 0.- 0.
 PACKER SET AT : 0.

RESERVOIR TEMP., F = 95. @ 2517. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

I.	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2517.	2517.	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.		300.	50.	24.0
1	4.00 X	0.750	183.	29.0	49.	0.	0.	181.	49.	1.0
2	4.00 X	0.750	153.	130.0	51.	0.	0.	155.	51.	1.0
3	4.00 X	0.750	119.	55.0	59.	0.	0.	120.	59.	1.0
4	4.00 X	0.750	84.	114.0	60.	0.	0.	88.	60.	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	2.66	75.24	195.2	1.0107	0.8092	1.0580	173.
2	2.66	146.55	165.2	1.0088	0.8092	1.0484	334.
3	2.66	84.95	131.2	1.0010	0.8092	1.0379	190.
4	2.66	104.72	96.2	1.0000	0.8092	1.0274	232.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.31	509.	0.79	0.893	API G OF HYDROCARBONS	0.000
2	0.26	511.	0.79	0.910	SP G SEPARATOR GAS	0.0
3	0.21	519.	0.80	0.928	SP G FLOWING FLUID	1.527 XXXXX
4	0.15	520.	0.80	0.947	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	193.	37.	60.	PC =	312.6
2	28.	167.	28.	70.	PC*PC =	98.
3	17.	132.	17.	80.	PC*PC/(PC*PC-PW*PW) =	1.4018
4	10.	100.	10.	88.	(PC*PC/(PC*PC-PW*PW))*N =	1.1840
					AOE (MCF/DAY) =	395.

CALC WH OPEN FLOW = 395. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS : WATER HINDRANCE AND PERFORATED OPENHOLE
 AVERAGE HOURS PRODUCED/DAY : 24.00

APPROVED BY
 COMMISSION:

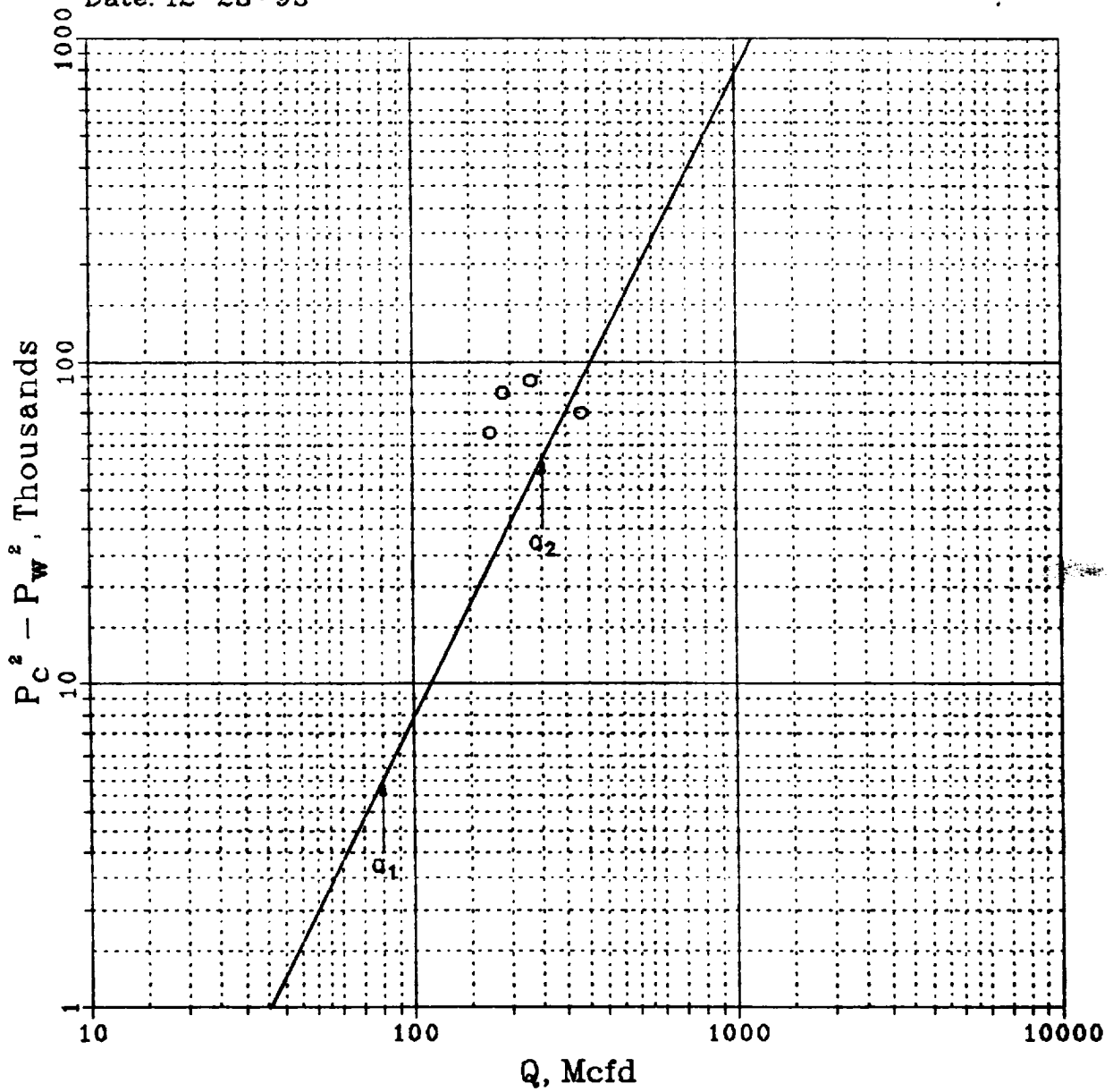
CONDUCTED BY:

CALCULATED BY:

CHECKED BY:

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2033211G
Field/Pool: Bravo Dome
County: Harding
Date: 12-28-93



$$\begin{aligned}
 Q_1 &= 80. \text{ Mcfd}; & \text{LOG } Q_1 &= 1.90143 \\
 Q_2 &= 252. \text{ Mcfd}; & \text{LOG } Q_2 &= 2.40145 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$