

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133211G
S/T/R : 21, 21, 33
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 10/26/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 08-13-93 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 = 2535. ELEV = 4921.
SET AT 2540. PERF: 2334.- 2461.
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	3.99 X	2.125	186.	26.0	59.	0.	0.	271.	50.	24.0
2	3.99 X	2.125	154.	50.0	60.	0.	0.	183.	59.	1.0
3	3.99 X	2.125	122.	81.0	60.	0.	0.	151.	60.	1.0
4	3.99 X	2.125	91.	127.0	60.	0.	0.	120.	60.	1.0
								90.	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	22.64	71.79	198.2	1.0010	0.8092	1.0590	1394.
2	22.64	91.16	166.2	1.0000	0.8092	1.0487	1751.
3	22.64	104.26	134.2	1.0000	0.8092	1.0388	1984.
4	22.64	114.48	103.2	1.0000	0.8092	1.0294	2159.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.32	519.	0.80	0.892	API G OF HYDROCARBONS	0.0
2	0.27	520.	0.80	0.909	SP G SEPARATOR GAS	1.527
3	0.21	520.	0.80	0.927	SP G FLOWING FLUID	XXXXX
4	0.16	520.	0.80	0.944	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	283.5
1	38.	195.	38.	42.	PC*PC =	80.
2	27.	163.	27.	54.	PC*PC/(PC*PC-PW*PW) =	1.1492
3	17.	132.	17.	63.	(PC*PC/(PC*PC-PW*PW))*N =	1.1285
4	10.	102.	10.	70.	AOE (MCF/DAY) =	2436.

CALC WH OPEN FLOW = 2436. MCFD @ 15.025; SLOPE ANGLE = 49.0; N = 0.870

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

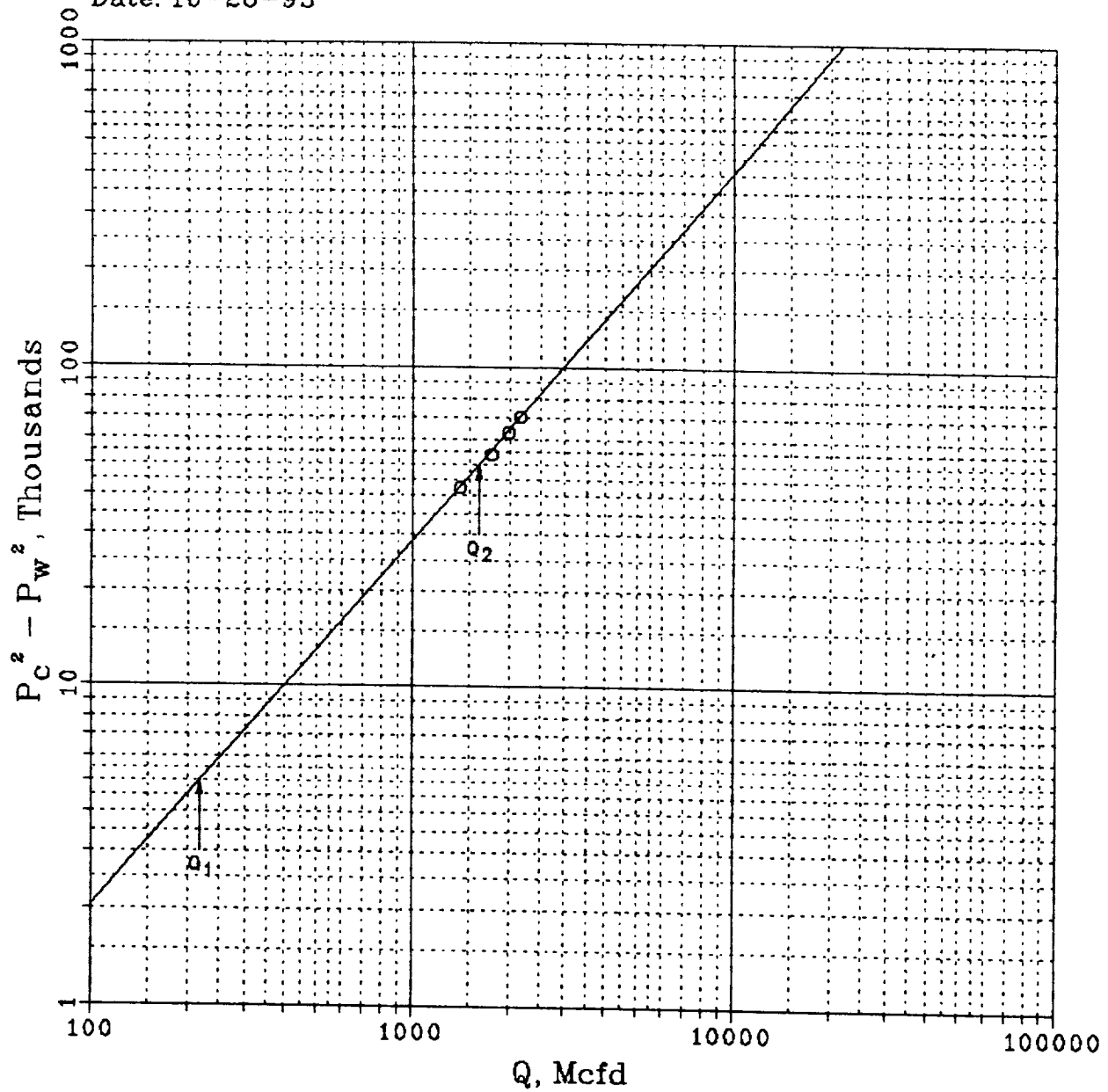
CHECKED BY:

Billy E. Prather

JS Hall

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133211G
Field/Pool: Bravo Dome
County: Harding
Date: 10-26-93



$$\begin{aligned}
 Q_1 &= 218. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.33789 \\
 Q_2 &= 1612. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.20746 \\
 n &= 0.86957 = 0.870
 \end{aligned}$$