

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133041G
S/T/R : 04,21,33
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 08-14-93 TD = 2568.
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 = 2540. ELEV = 4921.
SET AT 2568. PERF: 2317.- 2508.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2568. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2568.	2568.	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	3.95 X	2.750	178.	52.0	62.	0.	0.	246.	50.	24.0
2	3.95 X	2.750	147.	83.0	62.	0.	0.	180.	62.	1.0
3	3.95 X	2.750	114.	140.0	60.	0.	0.	151.	62.	1.0
4	3.95 X	2.750	81.	193.0	59.	0.	0.	121.	60.	1.0
								90.	59.	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	41.48	99.45	190.2	0.9981	0.8092	1.0564	3520.
2	41.48	114.95	159.2	0.9981	0.8092	1.0465	4030.
3	41.48	132.92	126.2	1.0000	0.8092	1.0364	4624.
4	41.48	134.12	93.2	1.0010	0.8092	1.0265	4625.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.30	522.	0.81	0.896	GAS LIQ RATIO, MCF/BBL	0.000
2	0.25	522.	0.81	0.913	API G OF HYDROCARBONS	0.0
3	0.20	520.	0.80	0.931	SP G SEPARATOR GAS	1.527
4	0.15	519.	0.80	0.949	SP G FLOWING FLUID	XXXXX
					CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	192.	37.	30.	PC =	258.5
2	27.	163.	27.	40.	PC*PC =	67.
3	18.	133.	18.	49.	PC*PC/(PC*PC-PW*PW) =	1.1851
4	10.	102.	10.	56.	(PC*PC/(PC*PC-PW*PW))**N =	1.0886
					AOE (MCF/DAY) =	5035.

CALC WH OPEN FLOW = 5035. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

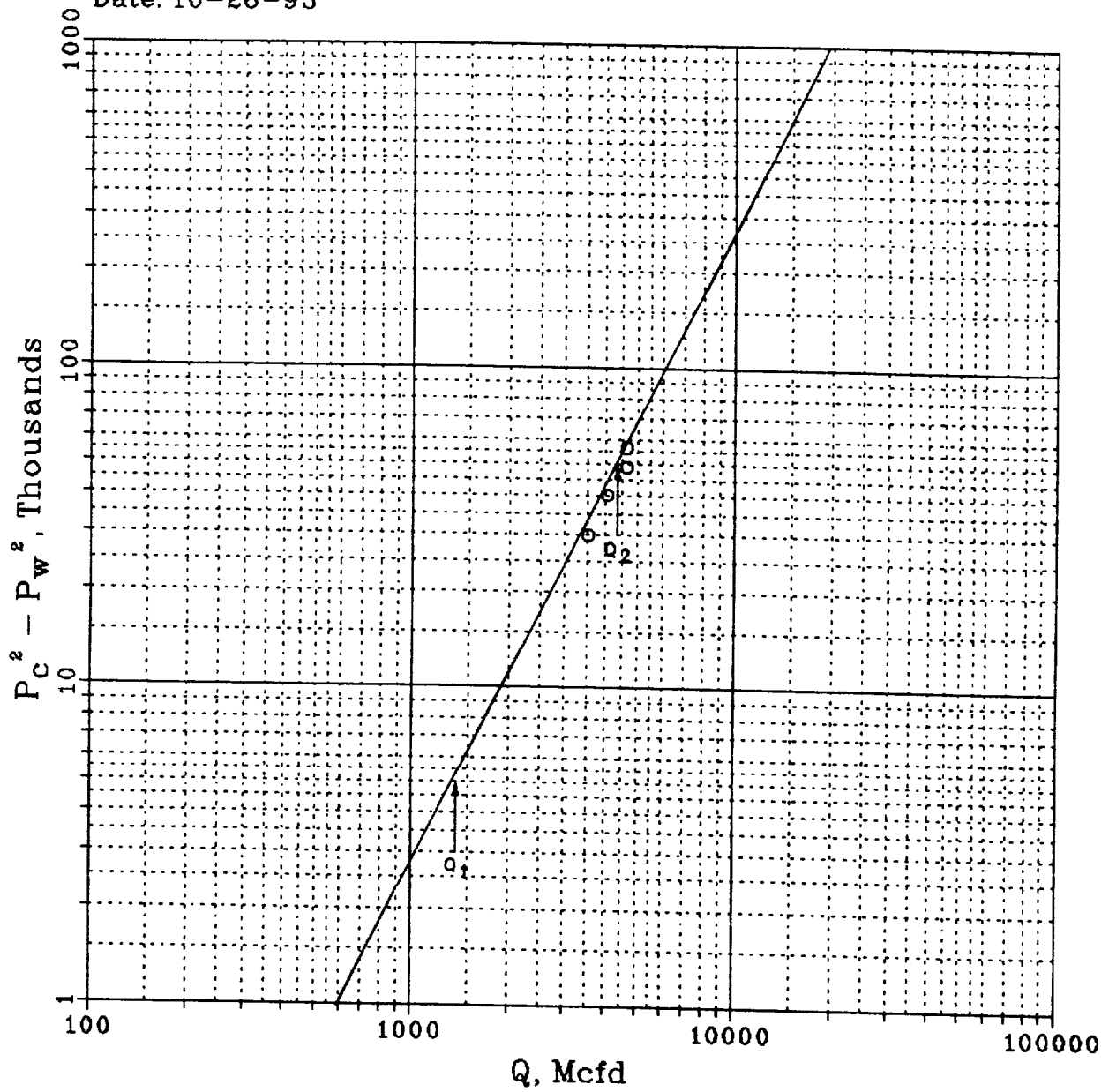
CONDUCTED BY: CALCULATED BY: CHECKED BY:

Billy E. Krubner

HJ Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133041G
Field/Pool: Bravo Dome
County: Harding
Date: 10-26-93



$$\begin{aligned} Q_1 &= 1377. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.13908 \\ Q_2 &= 4356. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.63909 \\ n &= 0.50002 = 0.500 \end{aligned}$$