

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2132141G
S/T/R : 14,21,32
COUNTY: HARDING
STATE : NEW MEXICO

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

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 08-23-93 TD = 2425.
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 = 2403. ELEV = 4885.
SET AT 2425. PERF: 2178.- 2284.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2425. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2425.	2425.	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	3.96 X	3.500	178.	28.0	61.	0.	0.	247.	50.	24.0
2	3.96 X	3.500	147.	44.0	59.	0.	0.	180.	61.	1.0
3	3.96 X	3.500	113.	70.0	57.	0.	0.	151.	59.	1.0
4	3.96 X	3.500	79.	111.0	53.	0.	0.	120.	57.	1.0
								91.	53.	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTOR F(T)	G-FACTOR F(G)	SC-FACTOR F(PV)	FLOW MCFD
1	91.21	72.98	190.2	0.9990	0.8092	1.0564	5684.
2	91.21	83.69	159.2	1.0010	0.8092	1.0465	6470.
3	91.21	93.62	125.2	1.0029	0.8092	1.0361	7179.
4	91.21	100.61	91.2	1.0068	0.8092	1.0259	7669.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	API G OF HYDROCARBONS	SP G SEPARATOR GAS	SP G FLOWING FLUID	CRITICAL PRES., PSIA	CRITICAL TEMP., R
1	0.30	521.	0.80	0.896	0.000	0.0	1.527	XXXXX	626.	648.
2	0.25	519.	0.80	0.913						
3	0.20	517.	0.80	0.932						
4	0.15	513.	0.79	0.950						

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	PC*PC =	PC*PC/(PC*PC-PW*PW) =	(PC*PC/(PC*PC-PW*PW))*N =	AOE (MCF/DAY) =
1	37.	192.	37.	30.					
2	27.	163.	27.	41.					
3	17.	132.	17.	50.					
4	11.	103.	11.	57.					

PC = 259.4
PC*PC = 67.
PC*PC/(PC*PC-PW*PW) = 1.1882
(PC*PC/(PC*PC-PW*PW))*N = 1.0900
AOE (MCF/DAY) = 8360.

CALC WH OPEN FLOW = 8360. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

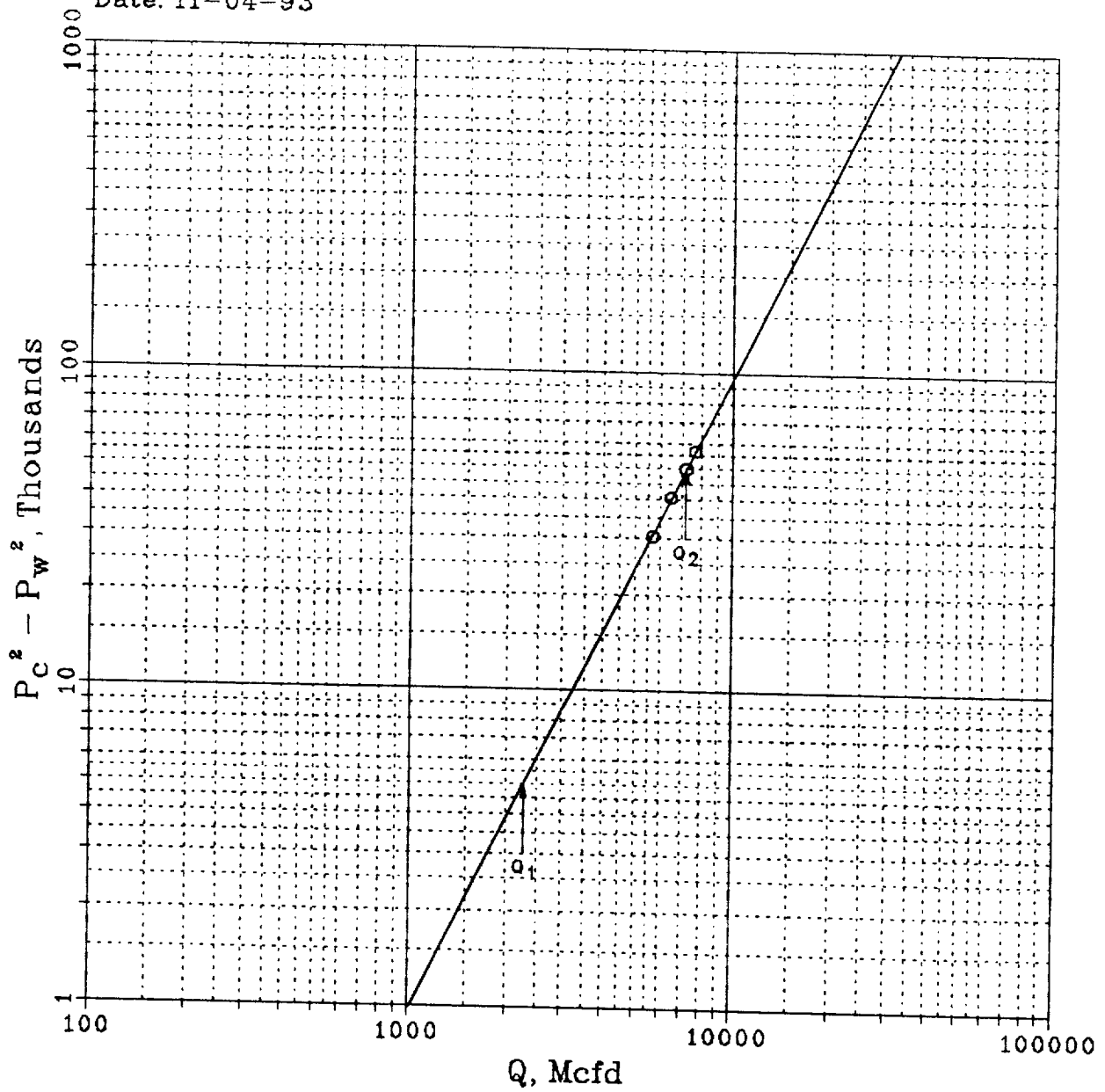
CHECKED BY:

Billy E. Freeman

D. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2132141G
Field/Pool: Bravo Dome
County: Harding
Date: 11-04-93



$$\begin{aligned}
 Q_1 &= 2278. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.35761 \\
 Q_2 &= 7205. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.85763 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$