

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133271G
S/T/R : 27,21,33
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 11/22/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-13-93 TD = 2680.
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 = 2666. ELEV = 5035.
SET AT 2680. PERF: 2416.- 2635.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2680. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2680.	2680.	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	3.500	177.	11.0	62.	0.	0.	239.	50.	24.0
2	3.99 X	3.500	148.	16.0	61.	0.	0.	178.	62.	1.0
3	3.99 X	3.500	116.	26.0	61.	0.	0.	150.	61.	1.0
4	3.99 X	3.500	84.	41.0	59.	0.	0.	120.	61.	1.0
								89.	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	89.89	45.62	189.2	0.9981	0.8092	1.0561	3497.
2	89.89	50.63	160.2	0.9990	0.8092	1.0468	3851.
3	89.89	57.73	128.2	0.9990	0.8092	1.0370	4350.
4	89.89	62.80	96.2	1.0010	0.8092	1.0274	4697.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.30	522.	0.81	0.897	API G OF HYDROCARBONS	0.0
2	0.26	521.	0.80	0.912	SP G SEPARATOR GAS	1.527
3	0.20	521.	0.80	0.930	SP G FLOWING FLUID	XXXXX
4	0.15	519.	0.80	0.947	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	251.5
1	36.	190.	36.	27.	PC*PC =	63.
2	26.	162.	26.	37.	PC*PC/(PC*PC-PW*PW) =	1.1931
3	17.	132.	17.	46.	(PC*PC/(PC*PC-PW*PW))*N =	1.0923
4	10.	101.	10.	53.	AOE (MCF/DAY) =	5131.

CALC WH OPEN FLOW = 5131. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

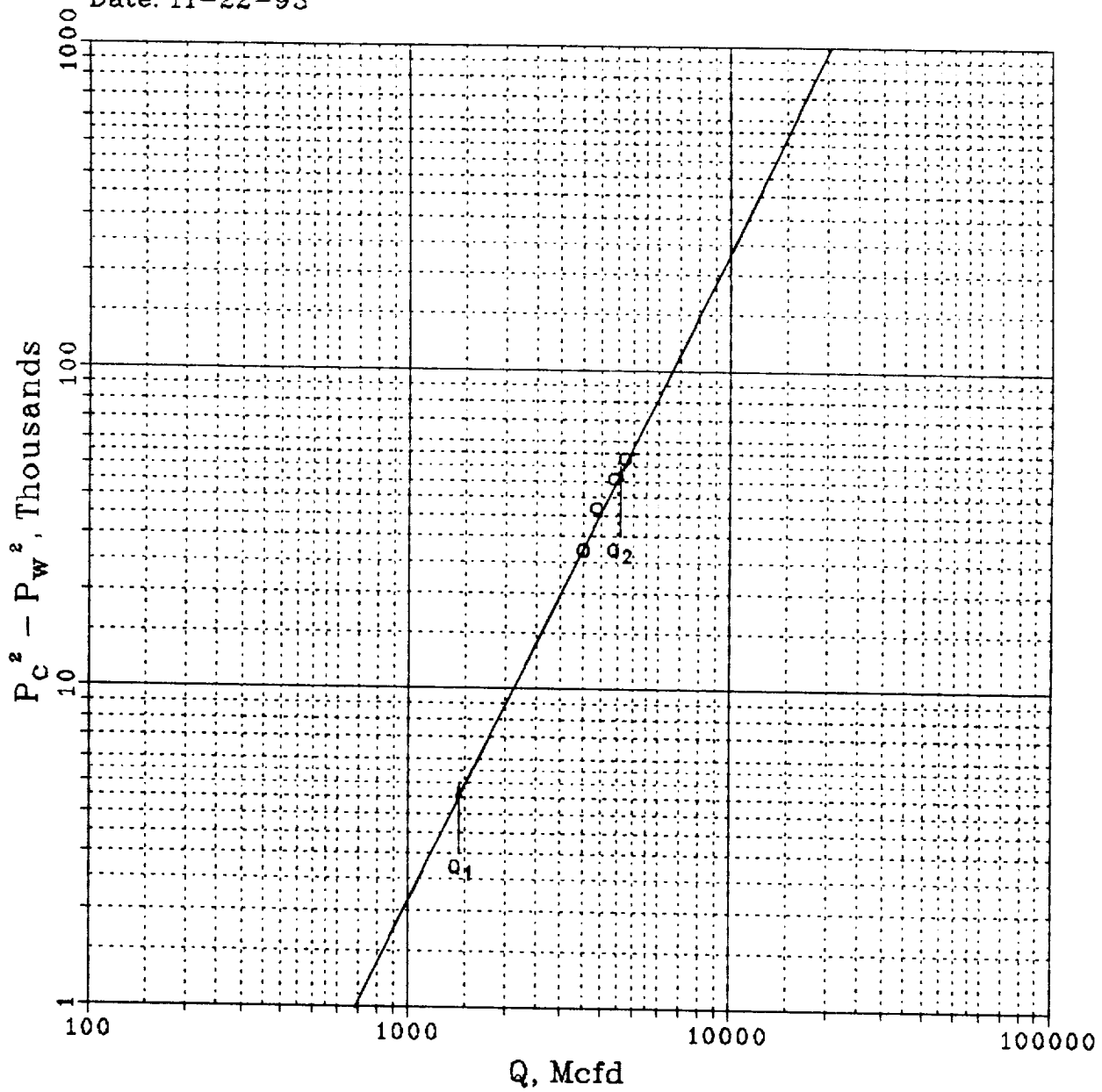
CHECKED BY:

Billy E. Ruben

B. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133271G
Field/Pool: Bravo Dome
County: Harding
Date: 11-22-93



$$\begin{aligned} Q_1 &= 1443. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.15915 \\ Q_2 &= 4562. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.65917 \\ & & n &= 0.50002 = 0.500 \end{aligned}$$