

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2233351F
 S/T/R : 35,22,33
 COUNTY: UNION
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/ 5/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 08-06-93 TD = 2426.
 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 = 2400. ELEV = 4742.
 SET AT 2426. PERF: 2304.- 2352.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2426. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2426.	2426.	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.		270.	50.	24.0
1	4.00 X	2.500	179.	46.0	62.	0.	0.	180.	62.	1.0
2	4.00 X	2.500	146.	71.0	62.	0.	0.	150.	62.	1.0
3	4.00 X	2.500	116.	102.0	61.	0.	0.	120.	61.	1.0
4	4.00 X	2.875	85.	76.0	60.	0.	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	32.71	93.78	191.2	0.9981	0.8092	1.0567	2618.
2	32.71	105.98	158.2	0.9981	0.8092	1.0462	2929.
3	32.71	114.35	128.2	0.9990	0.8092	1.0370	3135.
4	46.18	85.95	97.2	1.0000	0.8092	1.0277	3300.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.31	522.	0.81	0.896	API G OF HYDROCARBONS	0.000
2	0.25	522.	0.81	0.914	SP G SEPARATOR GAS	0.0
3	0.20	521.	0.80	0.930	SP G FLOWING FLUID	1.527
4	0.16	520.	0.80	0.947	CRITICAL PRES., PSIA	XXXXX
					CRITICAL TEMP., R	626.
						648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	
1	37.	192.	37.	43.	PC = 282.5
2	26.	162.	26.	54.	PC*PC = 80.
3	17.	132.	17.	62.	PC*PC/(PC*PC-PW*PW) = 1.1504
4	10.	102.	10.	69.	(PC*PC/(PC*PC-PW*PW))*N = 1.0726
					AOE (MCF/DAY) = 3540.

CALC WH OPEN FLOW = 3540. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

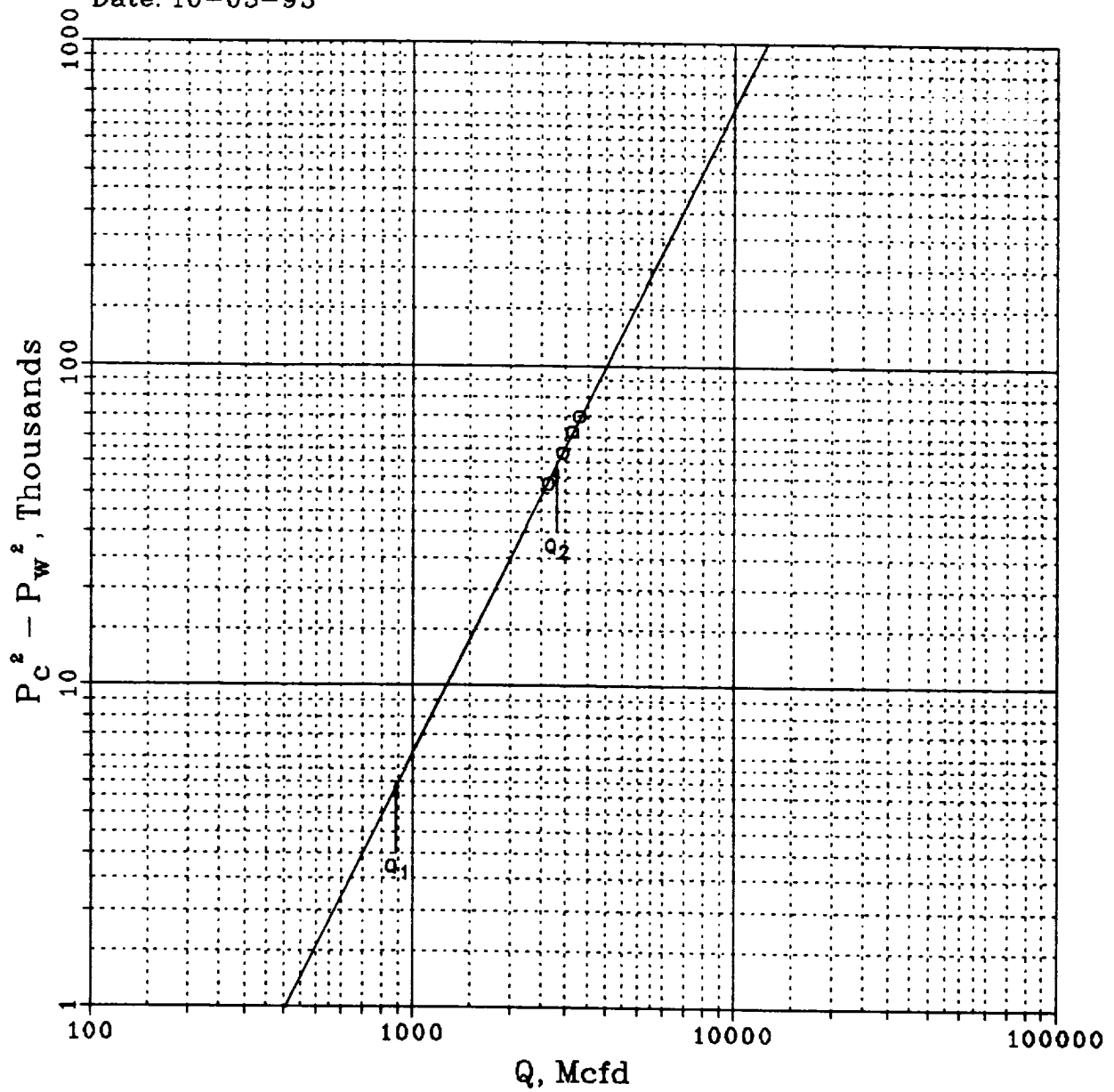
CHECKED BY:

Billy E. Prichard

2111

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2233351F
Field/Pool: Bravo Dome
County: Union
Date: 10-05-93



$$\begin{aligned} Q_1 &= 886 \text{ Mcfd; } \text{LOG } Q_1 = 2.94742 \\ Q_2 &= 2802 \text{ Mcfd; } \text{LOG } Q_2 = 3.44744 \\ n &= 0.50002 = 0.500 \end{aligned}$$