

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

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2133241G
S/T/R : 24,21,33
COUNTY: HARDING
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 10/28/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 07-20-93 TD = 2854.
CSG SIZE = 5.5000 WT = 14.00
TBG SIZE = 2.8750 WT = 1.70
TYPE COMPLETION: SINGLE
PRODUCING THROUGH: TUBING

CONNECTION: BRAVO DOME PLANT
RESERVOIR: TUBB
PBD = 2450. ELEV = 4896.
SET AT 2854. PERF: 2345.- 2537.
SET AT 2335. PERF: 0.- 0.
PACKER SET AT: 2298.

RESERVOIR TEMP., F = 95. @ 2854. FT. BARO. PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2854.	2854.	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.
1	3.99 X	2.375	181.	52.0	55.	284.	50.	0.		24.0
2	3.99 X	2.375	149.	73.0	53.	181.	55.	0.	0.	1.0
3	3.99 X	2.375	117.	104.0	50.	150.	53.	0.	0.	1.0
4	3.99 X	2.375	85.	148.0	47.	120.	50.	0.	0.	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	29.06	100.23	193.2	1.0048	0.8092	1.0573	
2	29.06	108.48	161.2	1.0068	0.8092	1.0472	2504.
3	29.06	115.92	129.2	1.0098	0.8092	1.0373	2689.
4	29.06	119.94	97.2	1.0127	0.8092	1.0277	2855.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.31	515.	0.79	0.894	GAS LIQ RATIO, MCF/BBL	0.000
2	0.26	513.	0.79	0.912	API G OF HYDROCARBONS	0.0
3	0.21	510.	0.79	0.929	SP G SEPARATOR GAS	1.527
4	0.16	507.	0.78	0.947	SP G FLOWING FLUID	XXXXXX
					CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	196.	38.	50.	PC =	296.6
2	26.	166.	28.	60.	PC*PC =	88.
3	17.	138.	19.	69.	PC*PC/(PC*PC-PW*PW) =	1.1580
4	10.	110.	12.	76.	(PC*PC/(PC*PC-PW*PW))*N =	1.0761
					AOE (MCF/DAY) =	3159.

CALC WH OPEN FLOW = 3159. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

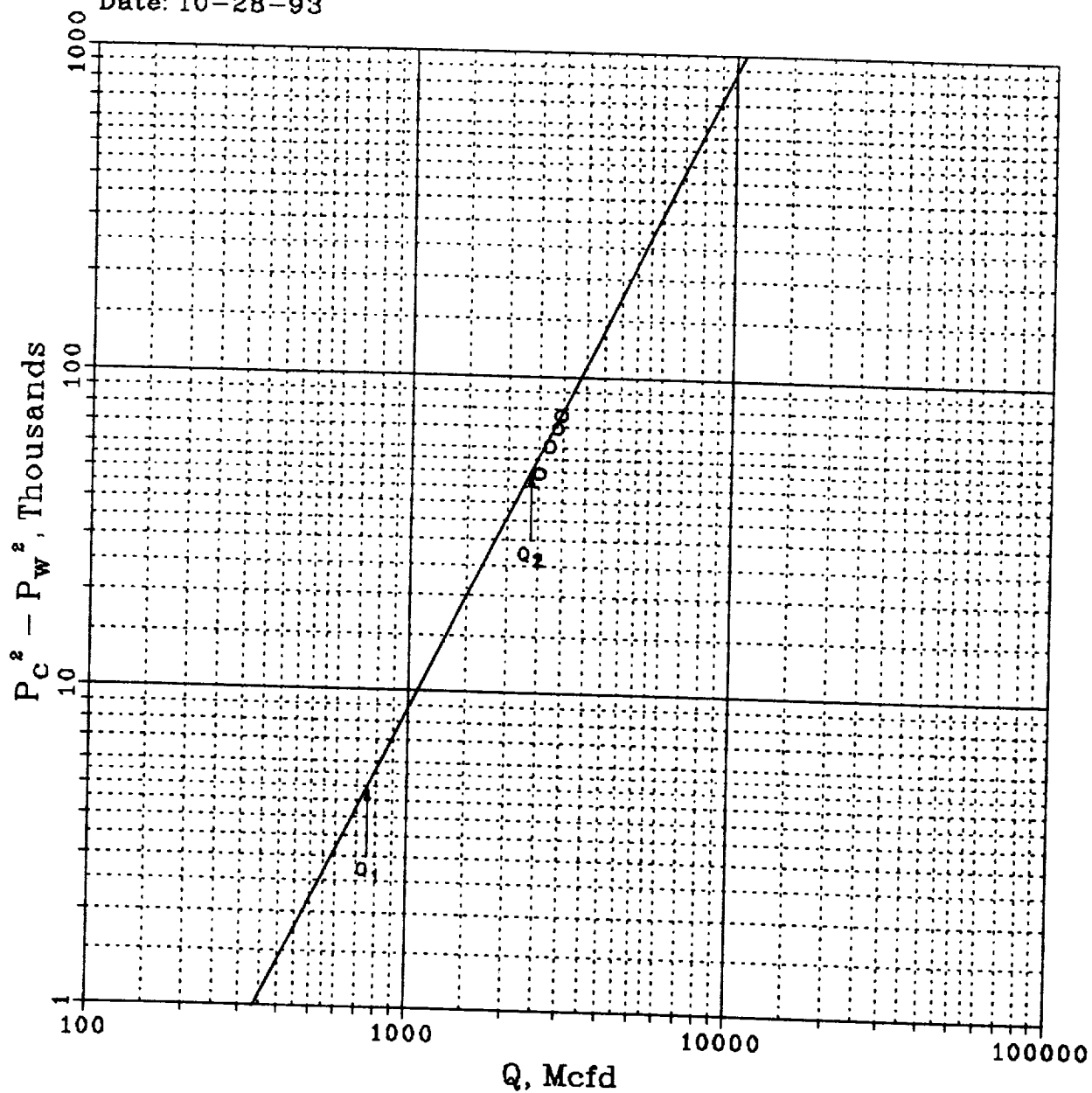
CHECKED BY:

Billy E. Pruehm

W. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133241G
Field/Pool: Bravo Dome
County: Harding
Date: 10-28-93



$$\begin{aligned} Q_1 &= 753. \text{ Mcfd}; \quad \text{LOG } Q_1 = 2.87687 \\ Q_e &= 2382. \text{ Mcfd}; \quad \text{LOG } Q_e = 3.37689 \\ n &= 0.50002 = 0.500 \end{aligned}$$