

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133171F
 S/T/R : 17,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/25/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 08-09-93 TD = 2590.
 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 = 2430. ELEV = 4840.
 SET AT 2590. PERF: 2174.- 2401.
 SET AT 2163. PERF: 0.- 0.
 PACKER SET AT: 2134.

RESERVOIR TEMP., F = 95. @ 2590. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2590.	2590.	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	2.750	179.	25.0	57.	183.	57.	0.	0.	24.0
2	3.99 X	2.750	147.	37.0	55.	150.	55.	0.	0.	1.0
3	3.99 X	2.750	116.	52.0	51.	120.	51.	0.	0.	1.0
4	3.99 X	2.750	85.	75.0	48.	90.	48.	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	41.30	69.14	191.2	1.0029	0.8092	1.0567	2448.
2	41.30	76.75	159.2	1.0048	0.8092	1.0465	2697.
3	41.30	81.65	128.2	1.0088	0.8092	1.0370	2854.
4	41.30	85.38	97.2	1.0117	0.8092	1.0277	2966.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.31	517.	0.80	0.896	GAS LIQ RATIO, MCF/BBL	0.000
2	0.25	515.	0.79	0.913	API G OF HYDROCARBONS	0.0
3	0.20	511.	0.79	0.930	SP G SEPARATOR GAS	1.527
4	0.16	508.	0.78	0.947	SP G FLOWING FLUID	XXXXX
					CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	38.	198.	39.	51.	PC =	300.5
2	26.	166.	27.	63.	PC*PC =	90.
3	17.	137.	19.	72.	PC*PC/(PC*PC-PW*PW) =	1.1518
4	10.	109.	12.	78.	(PC*PC/(PC*PC-PW*PW))*N =	1.0732
					AOE (MCF/DAY) =	3184.

CALC WH OPEN FLOW = 3184. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

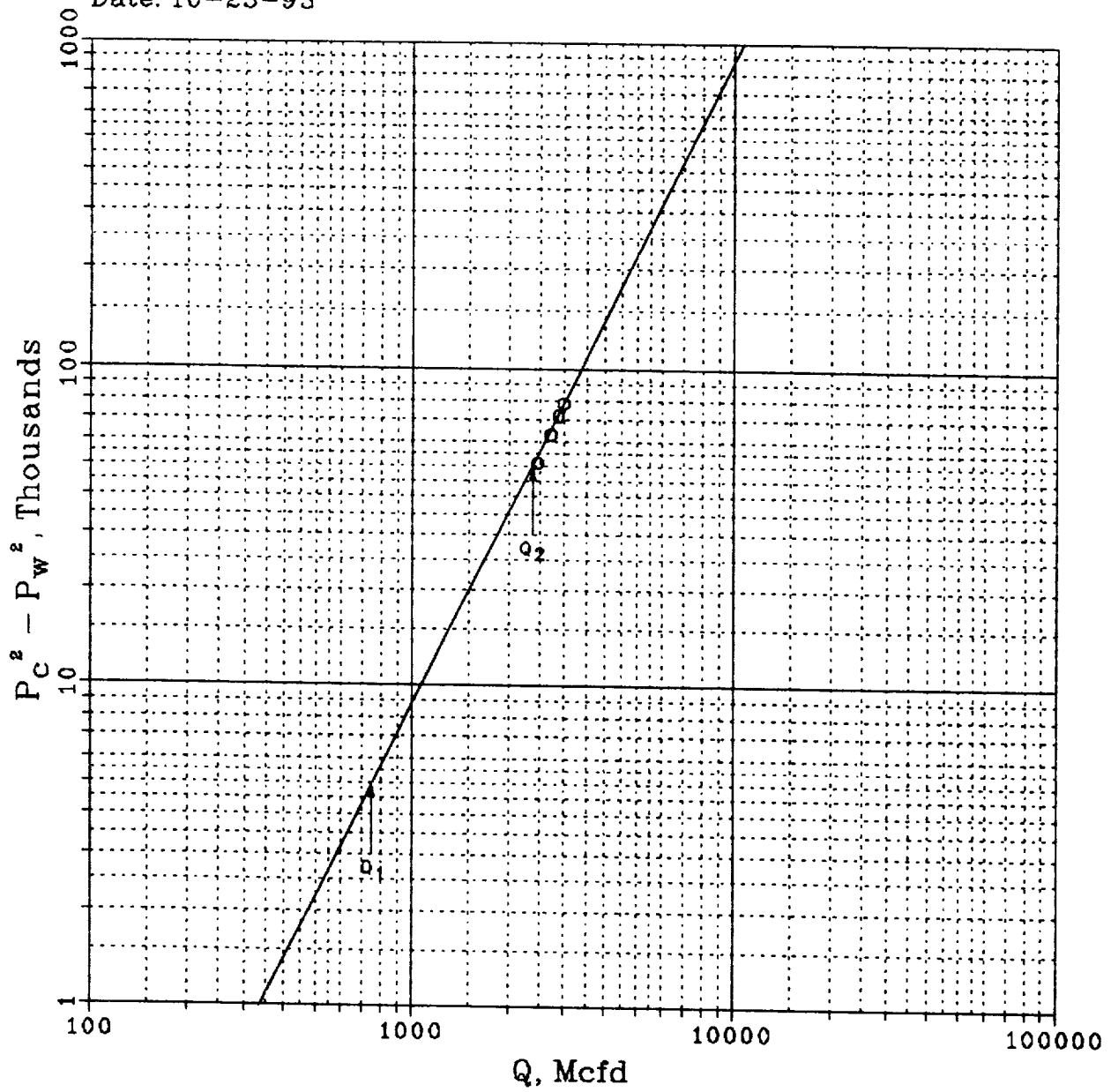
CHECKED BY:

Billy E. Prater

[Signature]

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2133171F
Field/Pool: Bravo Dome
County: Harding
Date: 10-25-93



$$\begin{aligned} Q_1 &= 749. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.87447 \\ Q_2 &= 2369. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.37449 \\ n &= 0.50002 = 0.500 \end{aligned}$$