

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

Form C-122

UNIT : BDCDGU
LEASE :
WELL : 2232351F
S/T/R : 35,22,32
COUNTY : UNION
STATE : NEW MEXICO

TYPE TEST: 4 POINT
: INITIAL
TEST DATE: 12/ 1/93

COMPANY: AMOCO PRODUCTION COMPANY
FIELD: BRAVO DOME POOL: N/A
COMPLETED 09-20-93 TD = 2275.
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 = 2249. ELEV = 4757.
SET AT 2275. PERF: 2080.- 2233.
SET AT 0. PERF: 0.- 0.
PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2275. FT. BARO.PRESS = 12.20 PSIA
MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2275.	2275.	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.		300.	50.	24.0
1	4.01 X	3.500	176.	17.0	59.	0.	0.	179.	59.	1.0
2	4.01 X	3.500	146.	25.0	57.	0.	0.	149.	57.	1.0
3	4.01 X	3.500	115.	36.0	54.	0.	0.	119.	54.	1.0
4	4.01 X	3.500	83.	54.0	51.	0.	0.	89.	51.	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	88.99	56.56	188.2	1.0010	0.8092	1.0557	4304.
2	88.99	62.89	158.2	1.0029	0.8092	1.0462	4752.
3	88.99	67.67	127.2	1.0058	0.8092	1.0367	5081.
4	88.99	71.70	95.2	1.0088	0.8092	1.0271	5349.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.30	519.	0.80	0.897	API G OF HYDROCARBONS	0.000
2	0.25	517.	0.80	0.914	SP G SEPARATOR GAS	0.0
3	0.20	514.	0.79	0.931	SP G FLOWING FLUID	1.527 XXXXX
4	0.15	511.	0.79	0.948	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW		
1	37.	191.	37.	61.	PC =	312.5
2	26.	161.	26.	72.	PC*PC =	98.
3	17.	131.	17.	80.	PC*PC/(PC*PC-PW*PW) =	1.1173
4	10.	101.	10.	87.	(PC*PC/(PC*PC-PW*PW))*N =	1.0696
					AOE (MCF/DAY) =	5721.

CALC WH OPEN FLOW = 5721. MCFD @ 15.025; SLOPE ANGLE = 58.8; N = 0.606

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
COMMISSION:

CONDUCTED BY:

CALCULATED BY:

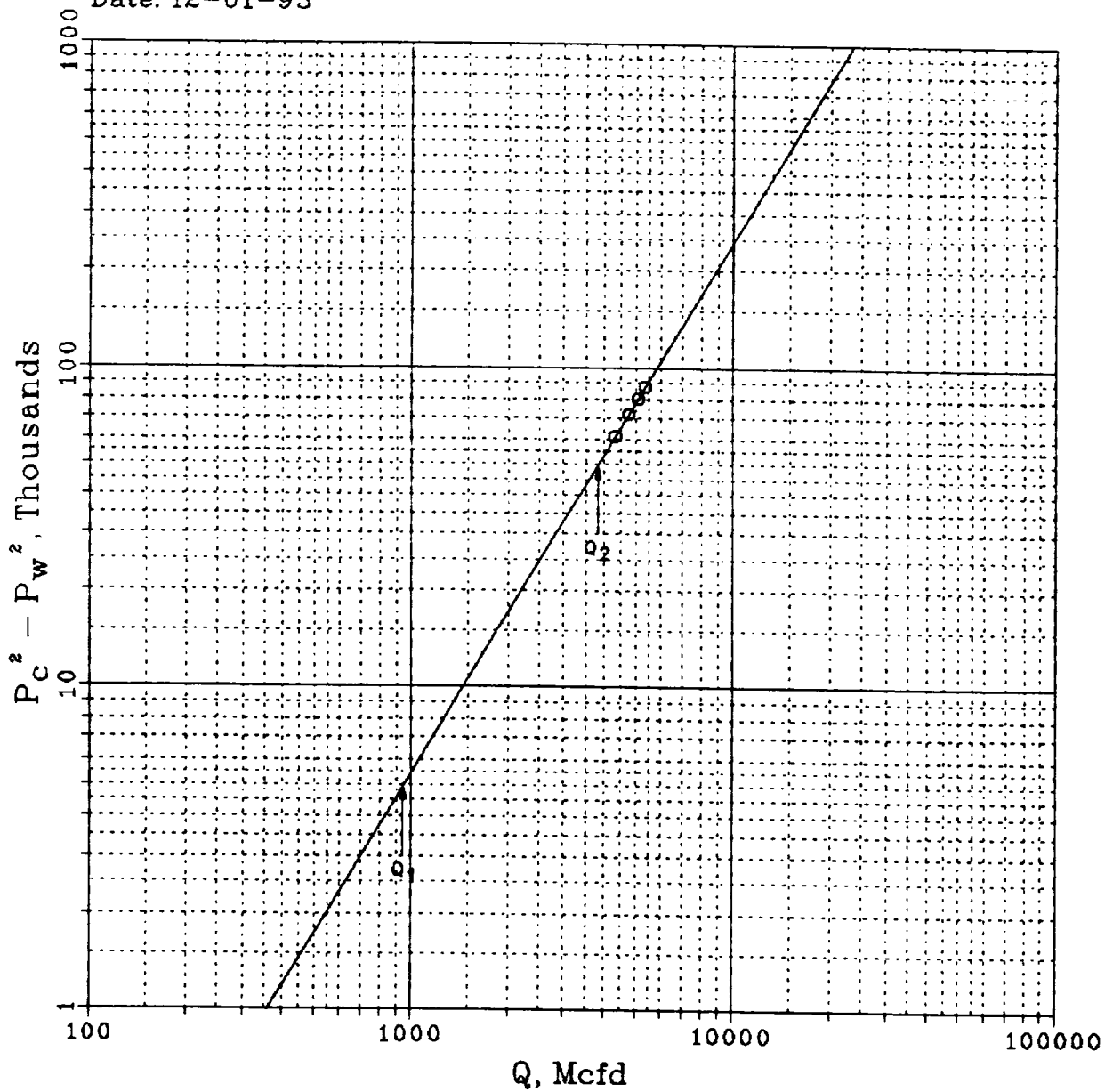
CHECKED BY:

Billy E. Probst

J. H. [Signature]

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2232351F
Field/Pool: Bravo Dome
County: Union
Date: 12-01-93



$$\begin{aligned} Q_1 &= 944. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.97520 \\ Q_2 &= 3813. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.58128 \\ n &= 0.60608 = 0.606 \end{aligned}$$