

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2132011K
 S/T/R : 01,21,32
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/ 8/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-20-93 TD = 2638.
 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 = 2463. ELEV = 4978.
 SET AT 2638. PERF: 2261.- 2432.
 SET AT 2250. PERF: 0.- 0.
 PACKER SET AT: 2220.

RESERVOIR TEMP., F = 95. @ 2638. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2638.	2638.	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	176.	5.0	55.	292.	50.	0.		24.0
2	3.99 X	3.500	145.	7.0	53.	179.	55.	0.	0.	1.0
3	3.99 X	3.500	116.	10.0	50.	148.	53.	0.	0.	1.0
4	3.99 X	3.500	86.	14.0	47.	119.	50.	0.	0.	1.0
						89.	47.	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	90.05	30.68	188.2	1.0048	0.8092	1.0557	2371.
2	90.05	33.17	157.2	1.0068	0.8092	1.0459	2545.
3	90.05	35.81	128.2	1.0098	0.8092	1.0370	2732.
4	90.05	37.08	98.2	1.0127	0.8092	1.0279	2813.

NO.	P(R)	TEMP. R	T(R)	Z		
1	0.30	515.	0.79	0.897	GAS LIQ RATIO, MCF/BBL	0.000
2	0.25	513.	0.79	0.914	API G OF HYDROCARBONS	0.0
3	0.20	510.	0.79	0.930	SP G SEPARATOR GAS	1.527 XXXXX
4	0.16	507.	0.78	0.946	SP G FLOWING FLUID	XXXXX 1.527
					CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC -PW*PW		
1	37.	194.	37.	55.	PC =	304.5
2	26.	163.	27.	66.	PC*PC =	93.
3	17.	136.	18.	74.	PC*PC/(PC*PC-PW*PW) =	1.1426
4	10.	108.	12.	81.	(PC*PC/(PC*PC-PW*PW))**N =	1.0689
					AOE (MCF/DAY) =	3006.

CALC WH OPEN FLOW = 3006. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

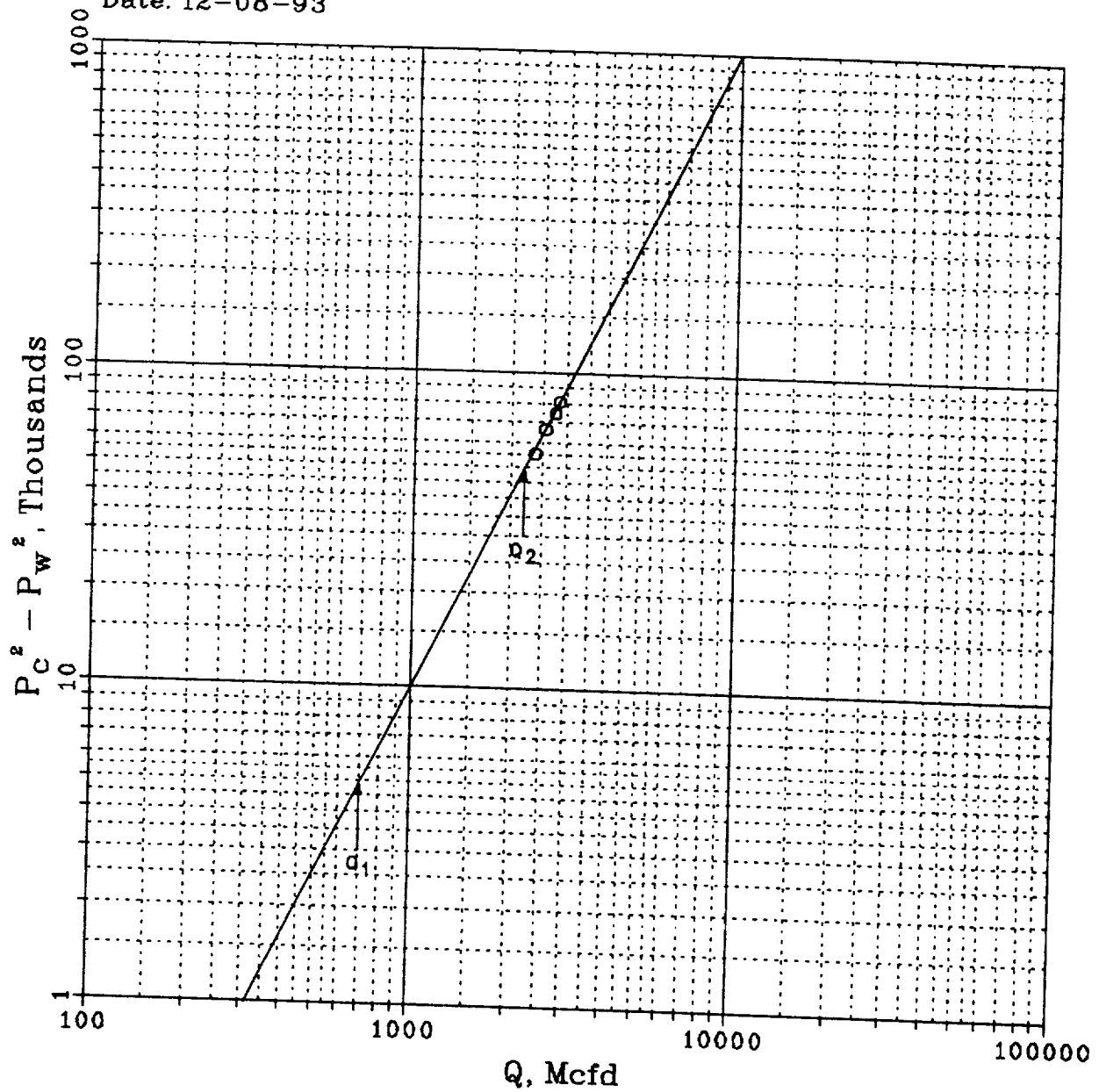
CHECKED BY:

Billy E. Kuhn

ASD

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2132011K
Field/Pool: Bravo Dome
County: Harding
Date: 12-08-93



$Q_1 = 698. \text{ Mcfd}; \text{ LOG } Q_1 = 2.84386$
 $Q_2 = 2207. \text{ Mcfd}; \text{ LOG } Q_2 = 3.34388$
 $n = 0.50002 = 0.500$