

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2133151F
 S/T/R : 15,21,33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 10/27/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 08-18-93 TD = 2516.
 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 = 2506. ELEV = 4897.
 SET AT 2516. PERF: 2434.- 2498.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2516. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2516.	2516.	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	3.98 X	2.750	179.	45.0	60.	0.	0.	248.	50.	24.0
2	3.98 X	2.750	147.	58.0	60.	0.	0.	181.	60.	1.0
3	3.98 X	2.750	114.	93.0	59.	0.	0.	150.	60.	1.0
4	3.98 X	2.750	84.	145.0	57.	0.	0.	120.	59.	1.0
								91.	57.	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	41.33	92.76	191.2	1.0000	0.8092	1.0567	3278.
2	41.33	96.09	159.2	1.0000	0.8092	1.0465	3363.
3	41.33	108.34	126.2	1.0010	0.8092	1.0364	3758.
4	41.33	118.11	96.2	1.0029	0.8092	1.0274	4069.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.31	520.	0.80	0.896	API G OF HYDROCARBONS	0.000
2	0.25	520.	0.80	0.913	SP G SEPARATOR GAS	0.0
3	0.20	519.	0.80	0.931	SP G FLOWING FLUID	1.527 XXXXX
4	0.15	517.	0.80	0.947	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	
1	37.	193.	37.	31.	PC = 260.4
2	26.	162.	26.	42.	PC*PC = 68.
3	17.	132.	17.	50.	PC*PC/(PC*PC-PW*PW) = 1.1862
4	11.	103.	11.	57.	(PC*PC/(PC*PC-PW*PW))*N = 1.0891
					AOE (MCF/DAY) = 4432.

CALC WH OPEN FLOW = 4432. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS:

AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

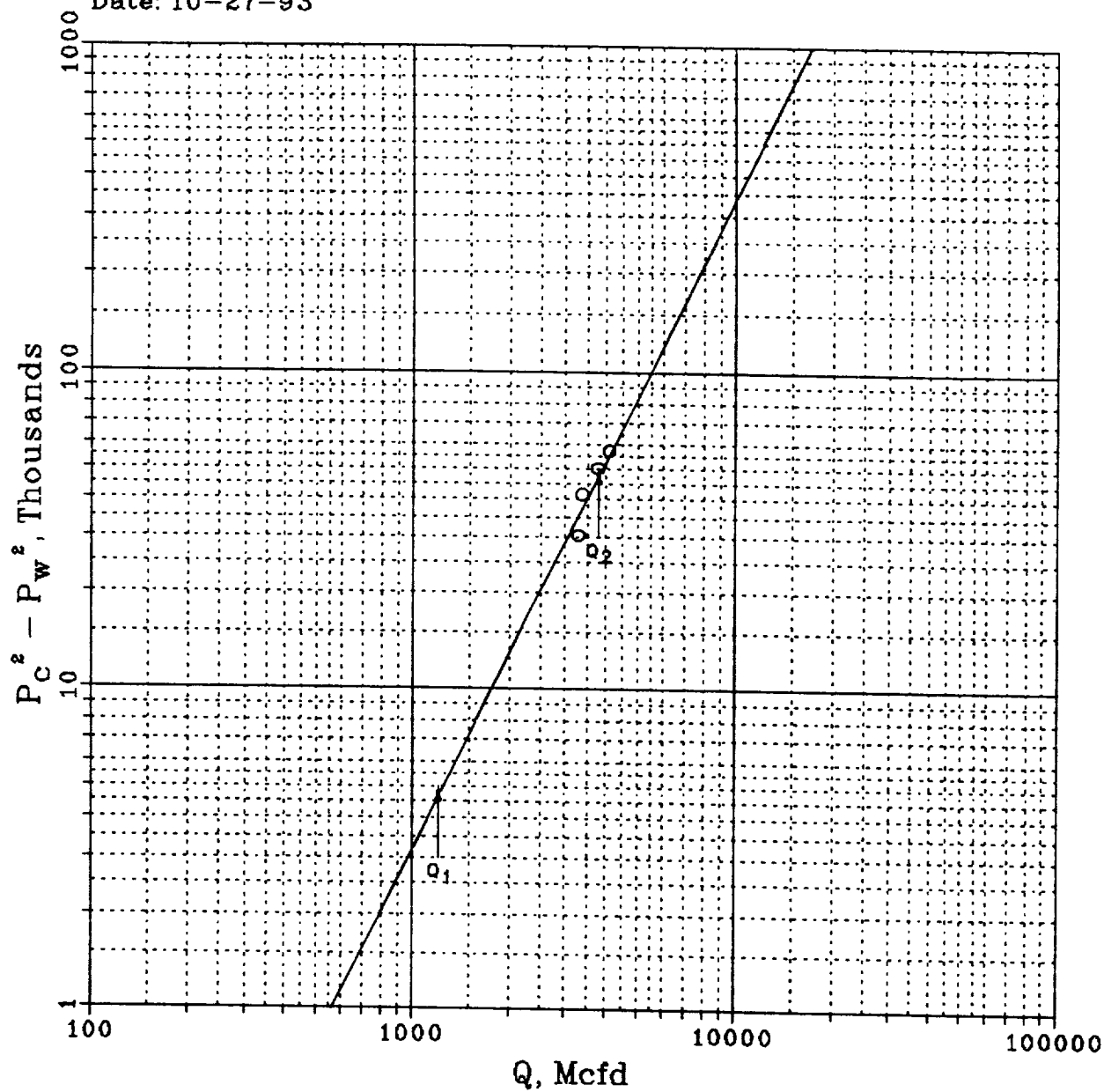
CHECKED BY:

Billy E. Pruebe

LL Ford

**GAS WELL
BACK PRESSURE TEST**

Company: Amoco Production Company
Well: 2133151F
Field/Pool: Bravo Dome
County: Harding
Date: 10-27-93



$$\begin{aligned} Q_1 &= 1203. \text{ Mcfd}; & \text{LOG } Q_1 &= 3.08036 \\ Q_2 &= 3805. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.58038 \\ & & n &= 0.50002 = 0.500 \end{aligned}$$