

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	0.000
1	0.31	520.	0.80	0.896	API G OF HYDROCARBONS	0.0
2	0.25	520.	0.80	0.913	SP G SEPARATOR GAS	1.527
3	0.20	519.	0.80	0.931	SP G FLOWING FLUID	XXXXX
4	0.15	517.	0.80	0.947	CRITICAL PRES., PSIA	626.
					CRITICAL TEMP., R	648.

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

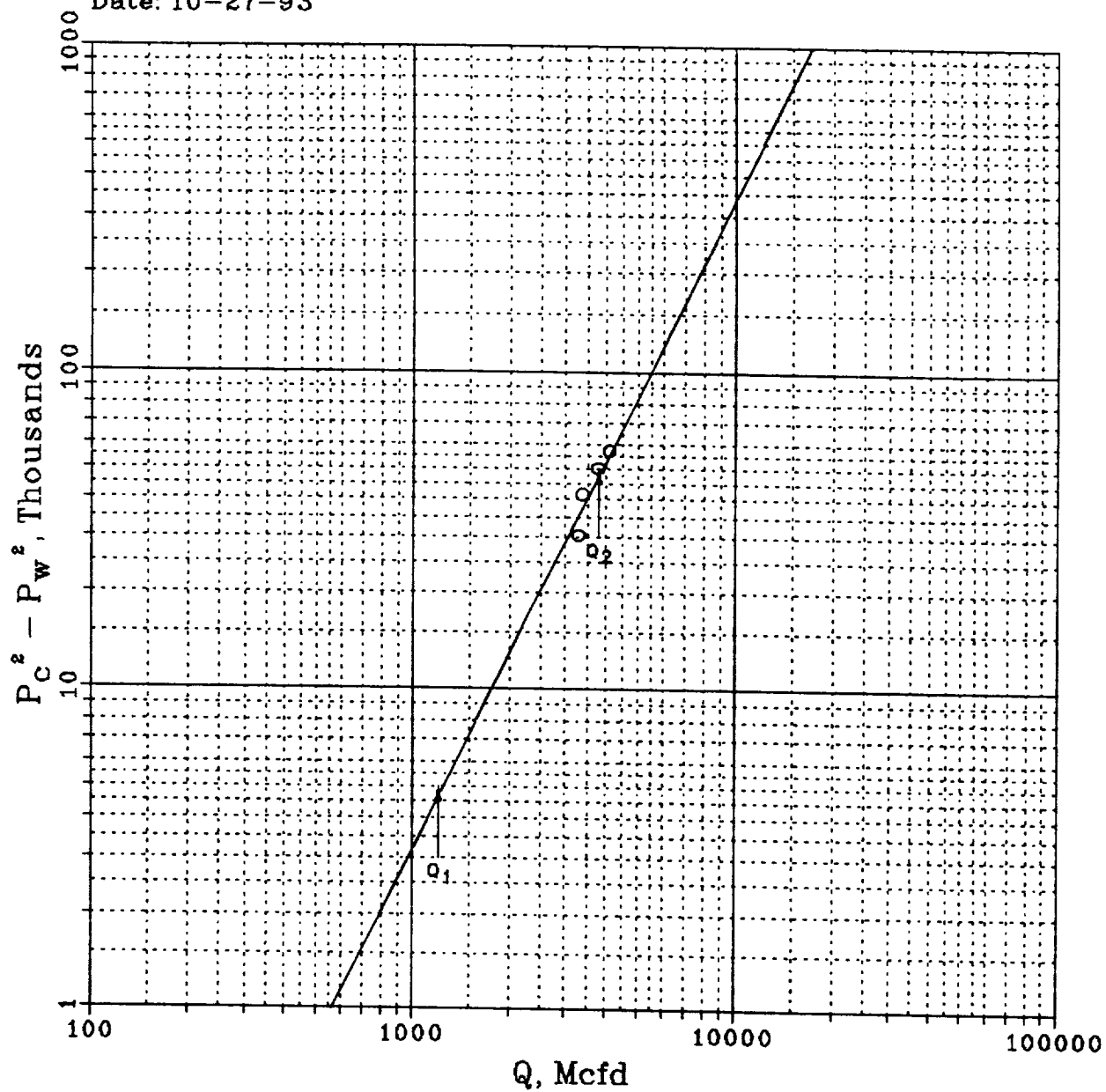
CHECKED BY:

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



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