

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2033162K
 S/T/R : 16.20.33
 COUNTY: HARDING
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 11/18/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 10-08-93 TD = 2534.
 CSG SIZE = 4.5000 WT = 4.56
 TBG SIZE = 0.0000 WT = 0.00
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: OPENHOLE

CONNECTION: BRAVO DOME PLANT
 RESERVOIR: TUBB
 PBD = 2526. ELEV = 5029.
 SET AT 2455. PERF: 2490.- 2524.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2534. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2534.	2534.	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.		259.	50.	24.0
1	3.96 X	1.000	182.	8.0	58.	0.	0.	185.	58.	1.0
2	3.96 X	1.000	155.	19.0	62.	0.	0.	157.	62.	1.0
3	3.96 X	1.500	118.	15.0	62.	0.	0.	120.	62.	1.0
4	3.96 X	1.500	93.	18.0	63.	0.	0.	95.	63.	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	4.75	39.42	194.2	1.0019	0.8092	1.0577	161.
2	4.75	56.36	167.2	0.9981	0.8092	1.0490	227.
3	10.85	44.19	130.2	0.9981	0.8092	1.0376	402.
4	10.85	43.52	105.2	0.9971	0.8092	1.0300	392.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.000
1	0.31	518.	0.80	0.894	API G OF HYDROCARBONS	0.0
2	0.27	522.	0.81	0.909	SP G SEPARATOR GAS	1.527 XXXXX
3	0.21	522.	0.81	0.929	SP G FLOWING FLUID	XXXXX 1.527
4	0.17	523.	0.81	0.943	CRITICAL PRES., PSIA	626. 626.
					CRITICAL TEMP., R	648. 648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	PC =	271.5
1	39.	197.	39.	35.	PC*PC =	74.
2	29.	169.	29.	45.	PC*PC/(PC*PC-PW*PW) =	1.3102
3	17.	132.	17.	56.	(PC*PC/(PC*PC-PW*PW))*N =	1.3102
4	11.	107.	11.	62.	AOE (MCF/DAY) =	527.

CALC WH OPEN FLOW = 527. MCFD @ 15.025; SLOPE ANGLE = 45.0; N = 1.000

REMARKS: WATER PRODUCTION HINDRANCE
AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

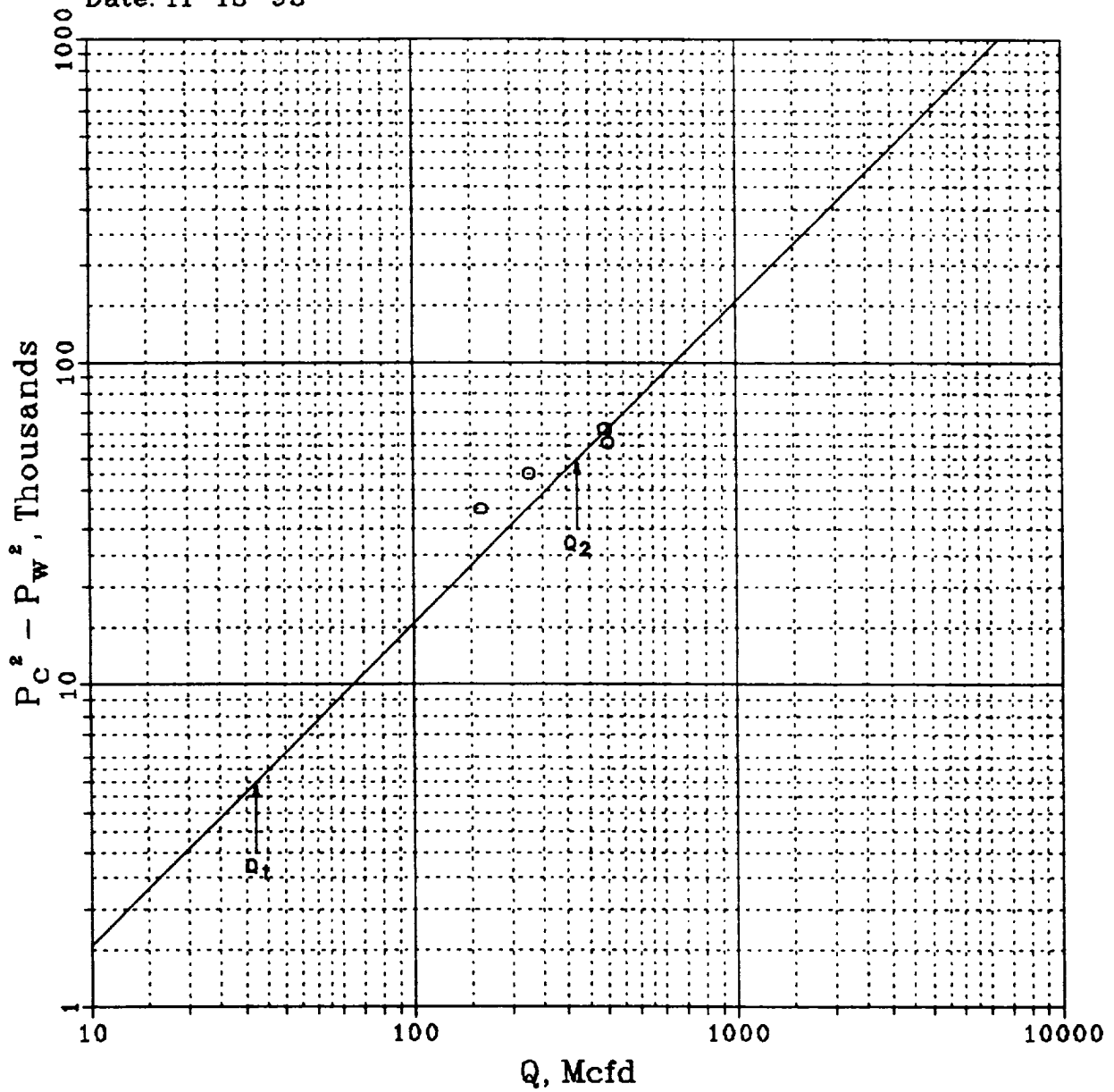
CHECKED BY:

Billy E. Ruben

H. J. Ford

GAS WELL
BACK PRESSURE TEST

Company: Amoco Production Company
Well: 2033182K
Field/Pool: Bravo Dome
County: Harding
Date: 11-18-93



$Q_1 = 32. \text{ Mcfd}; \text{ LOG } Q_1 = 1.50900$
 $Q_2 = 323. \text{ Mcfd}; \text{ LOG } Q_2 = 2.50900$
 $n = 1.00000 = 1.000$