

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

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2233291G
 S/T/R : 29,22,33
 COUNTY: UNION
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/ 9/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-18-93 TD = 2529.
 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 = 2504. ELEV = 4774.
 SET AT 2527. PERF: 2257.- 2350.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2529. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2529.	2529.	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.		256.	50.	24.0
1	4.00 X	2.875	177.	83.0	63.	0.	0.	180.	63.	1.0
2	4.00 X	2.875	145.	108.0	62.	0.	0.	150.	62.	1.0
3	4.00 X	3.500	118.	36.0	60.	0.	0.	122.	60.	1.0
4	4.00 X	3.500	84.	46.0	57.	0.	0.	90.	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	46.21	125.31	189.2	0.9971	0.8092	1.0561	4934.
2	46.21	130.30	157.2	0.9981	0.8092	1.0459	5085.
3	89.36	68.46	130.2	1.0000	0.8092	1.0376	5136.
4	89.36	66.52	96.2	1.0029	0.8092	1.0274	4956.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.30	523.	0.81	0.897	API G OF HYDROCARBONS	0.000
2	0.25	522.	0.81	0.914	SP G SEPARATOR GAS	0.0
3	0.21	520.	0.80	0.929	SP G FLOWING FLUID	1.527
4	0.15	517.	0.80	0.947	CRITICAL PRES., PSIA	XXXXX
					CRITICAL TEMP., R	626.
						648.

NO.	PT*PT	PW	PW*PW	PC*PC - PW*PW	
1	37.	192.	37.	35.	PC = 268.5
2	26.	162.	26.	46.	PC*PC = 72.
3	18.	134.	18.	54.	PC*PC/(PC*PC-PW*PW) = 1.3326
4	10.	102.	10.	62.	(PC*PC/(PC*PC-PW*PW))*N = 1.1544
					AOE (MCF/DAY) = 5929.

CALC WH OPEN FLOW = 5929. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

CALCULATED BY:

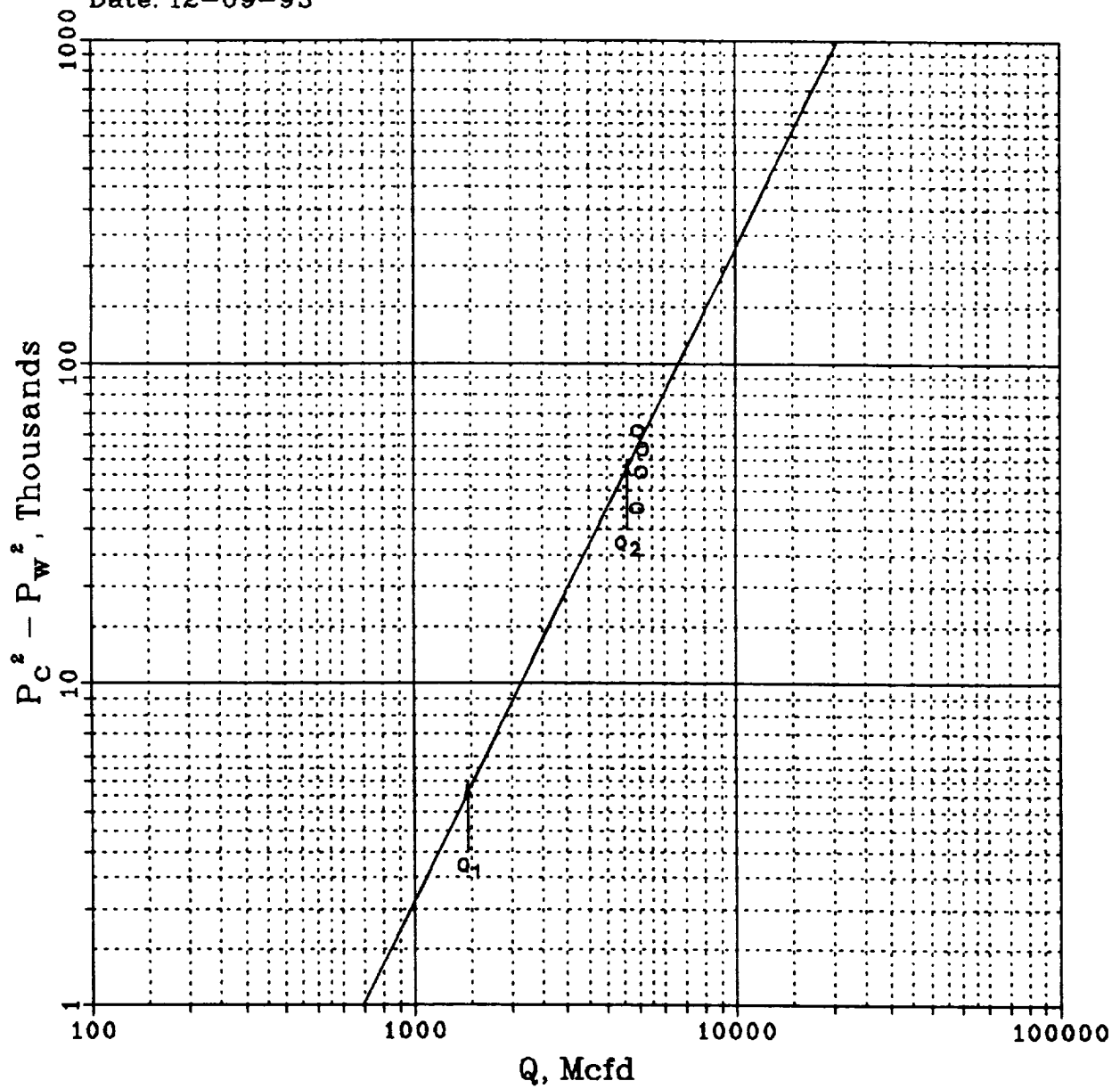
CHECKED BY:

Billy E. P... ..

[Signature]

GAS WELL BACK PRESSURE TEST

Company: Amoco Production Company
 Well: 2233291G
 Field/Pool: Bravo Dome
 County: Union
 Date: 12-09-93



$$\begin{aligned} Q_1 &= 1463. \text{ Mcfd}; \quad \text{LOG } Q_1 = 3.16516 \\ Q_e &= 4626. \text{ Mcfd}; \quad \text{LOG } Q_e = 3.66518 \\ n &= 0.50002 = 0.500 \end{aligned}$$

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

Form C-103
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

RECEIVED

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 059 20305

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

2133

8. Well No.

291 G

9. Pool name or Wildcat

TUBB

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER CO2

2. Name of Operator

Amoco Production Company

3. Address of Operator

P.O. Box 606 CLAYTON N. MEX 88415

4. Well Location

Unit Letter C : 2100 Feet From The EAST Line and 2046 Feet From The NORTH Line

Section

29

Township

22 N

Range

33 E

NMPM

CHION

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4788

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

OTHER: PERF X FRAC ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Moved in service unit 7/13/193. Tagged bottom at 2492'. Perforated
Tubbs intervals 2257-2269, 2276-2308, 2315-2322, 2344-2350. With
2.75" gun with 25SPF. Ripped up valve cover and loaded
casing with treated water. Fraced down casing with 9975 gal.
Gel water mixed with 49 TONS of CO2 containing 42,880 lbs of
10/20 mesh Brady sand. Max. TP 1850 psi, Avg. TP 1535 psi, Air 20.5
BPM. Formation broke down at 1850 psi. Flowed well to
clean up. Hooked up to sales.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Mark Randolph

TITLE

BUSINESS ANALYST

DATE

10/17/93

TYPE OR PRINT NAME

Mark Randolph

713 366 3216

TELEPHONE NO.

(This space for State Use)

APPROVED BY

[Signature]

TITLE

DISTRICT SUPERVISOR

DATE

10-18-93

CONDITIONS OF APPROVAL, IF ANY: