



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

November 22, 1989

Quinoco Petroleum, Inc
Stanford Place 3
4582 S. Ulster St Parkway, Ste. 1700
Denver, Colorado 80237

Re: Union Mead Com #2 N-4-22-27

Gentlemen,

Concerning the packer leakage test recently conducted on subject well. The test indicated communication between tubing & annulus.

Repair should begin on this well within the next thirty days.

Please notify this office twenty (24) hours prior to starting repair work.

Sincerely,

A handwritten signature in cursive script that reads "Johnny Robinson".

Johnny Robinson
Field Rep II, District II

JR:br

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STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Page 1

This form is not to
be used for reporting
packer leakage tests
in Northwest New Mexico

NOV 1 - '89

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

O. C. D.
ARTESIA OFFICE

Operator QUINOCO PETROLEUM			Lease UNION MEAD COM			Well No. #2	
LOCATION OF WELL	Unit N	Sec. 4	Twp. 225	Rge. 27E	County EDDY		
	NAME OF RESERVOIR OR POOL		TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. FLOW, ART LIFT	PROD. MEDIUM (Tbg or Csg)	CHOKE SIZE	
Upper Compl.	WOLFCAMP		GAS	FLOW	CSG.		
Lower Compl.	MORROW		GAS	FLOW	TBG	FULL	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10 4 89 12:30PM

Well opened at (hour, date): 10 5 89 12:30PM

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	850	900
Stabilized? (Yes or No)	NO	NO
Maximum pressure during test	850	900
Minimum pressure during test	590	740
Pressure at conclusion of test	590	740
Pressure change during test (Maximum minus Minimum)	260	260
Was pressure change an increase or a decrease?	DECREASE	DECREASE
Well closed at (hour, date): 10 6 89 11:00AM	Total Time On Production 23.5	
Oil Production During Test: _____ bbls; Grav. _____	Gas Production During Test _____ MCF; GOR _____	

Remarks: DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.

CSG. CAN NOT BE FLOWED, NO FLOW LINE.

(Continue on reverse side)

FLOW TEST NO. 2

Well opened at (hour, date): _____	Upper Completion	Lower Completion
Indicate by (X) the zone producing	_____	_____
Pressure at beginning of test	_____	_____
Stabilized? (Yes or No)	_____	_____
Maximum pressure during test	_____	_____
Minimum pressure during test	_____	_____
Pressure at conclusion of test	_____	_____
Pressure change during test (Maximum minus Minimum)	_____	_____
Was pressure change an increase or a decrease?	_____	_____
Well closed at (hour, date): _____	Total Time On Production _____	
Oil Production _____	Gas Production _____	
During Test: _____ bbls; Grav. _____	During Test _____ MCF; GOR _____	
Remarks: _____	DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS	

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

Approved _____ 19 _____
New Mexico Oil Conservation Division

C & W WIRELINE, INC. DBA
Operator BENNETT-CATHEY

By

Title PRODUCTION TESTING MGR.

By _____
Title _____

Date 10 18 89

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operation shall also be so notified.
3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 34 hours.
4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing well-head pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 34 hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packer Leakage Test Form Revised 11-01-78, together with the original pressure recording gauge charts with all the deadweight pressures which were taken, indicated, checked, in flow of time, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

FLOW TEST NO. 2

Well opened at (hour, date): _____	Upper Completion	Lower Completion
Indicate by (X) the zone producing	_____	_____
Pressure at beginning of test	_____	_____
Stabilized? (Yes or No)	_____	_____
Maximum pressure during test	_____	_____
Minimum pressure during test	_____	_____
Pressure at conclusion of test	_____	_____
Pressure change during test (Maximum minus Minimum)	_____	_____
Was pressure change an increase or a decrease?	_____	_____
Well closed at (hour, date): _____	Total Time On Production _____	
Oil Production _____	Gas Production _____	
During Test: _____ bbls; Grav. _____	During Test _____ MCF; GOR _____	
Remarks: _____	DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS	

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

Approved _____ 19 _____
New Mexico Oil Conservation Division

C & W WIRELINE, INC. DBA
Operator BENNETT-CATHEY

By

Monty Randolph

By _____

Title PRODUCTION TESTING MGR.

Title _____

Date 10 18 89

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2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 24 hours.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packer Leakage Test Form Revised 11-01-88, together with the original pressure recording gauge charts with all the deadweight pressures which were taken, indicated thereon, in duplicate, the original and one copy. The original shall be filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

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ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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Page 1

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SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

O. C. D.
ARTIFICIAL OFFICE

Operator QUINOCO PETROLEUM			Lease UNION MEAD COM			Well No. #2
LOCATION OF WELL	Unit N	Sec. 4	Twp. 225	Rge. 27E	County EDDY	
	NAME OF RESERVOIR OR POOL		TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. FLOW, ART LIFT	PROD. MEDIUM (Tbg or Csg)	CHOKE SIZE
Upper Compl.	WOLFCAMP		GAS	FLOW	CSG.	
Lower Compl.	MORROW		GAS	FLOW	TBG	FULL

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10 4 89 12:30PM

Well opened at (hour, date): 10 5 89 12:30PM

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	850	900
Stabilized? (Yes or No)	NO	NO
Maximum pressure during test	850	900
Minimum pressure during test	590	740
Pressure at conclusion of test	590	740
Pressure change during test (Maximum minus Minimum)	260	260
Was pressure change an increase or a decrease?	DECREASE	DECREASE
Well closed at (hour, date): 10 6 89 11:00AM	Total Time On Production 23.5	
Oil Production During Test: _____ bbls; Grav. _____	Gas Production During Test: _____ MCF; GOR _____	

Remarks: DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.

CSG. CAN NOT BE FLOWED, NO FLOW LINE.

(Continue on reverse side)

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Page 1

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ARTESIA OFFICE

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator QUINOCO PETROLEUM			Lease UNION MEAD COM			Well No. #2	
LOCATION OF WELL	Unit N	Sec. 4	Twp. 225	Rge. 27E	County EDDY		
NAME OF RESERVOIR OR POOL			TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. FLOW, ART LIFT	PROD. MEDIUM (Tbg or Csg)		CHOKE SIZE
Upper Compl.	WOLFCAMP		GAS	FLOW	CSG.		
Lower Compl.	MORROW		GAS	FLOW	TBG		FULL

FLOW TEST NO. 1

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Remarks: DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.

CSG. CAN NOT BE FLOWED, NO FLOW LINE.

(Continue on reverse side)

FLOW TEST NO. 2

Well opened at (hour, date): _____	Upper Completion	Lower Completion
Indicate by (X) the zone producing	_____	_____
Pressure at beginning of test	_____	_____
Stabilized? (Yes or No)	_____	_____
Maximum pressure during test	_____	_____
Minimum pressure during test	_____	_____
Pressure at conclusion of test	_____	_____
Pressure change during test (Maximum minus Minimum)	_____	_____
Was pressure change an increase or a decrease?	_____	_____
Well closed at (hour, date): _____	Total Time On Production _____	
Oil Production _____	Gas Production _____	
During Test: _____ bbls; Grav. _____	During Test _____ MCF; GOR _____	
Remarks: _____ DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS		

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

C & W WIRELINE, INC. DBA

Approved _____ 19 _____

New Mexico Oil Conservation Division

Operator BENNETT-CATHEY

By

Monty Randolph

By _____

Title PRODUCTION TESTING MGR.

Title _____

Date 10 18 89

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OIL CONSERVATION DIVISION

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SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator QUINOCO PETROLEUM			Lease UNION MEAD COM			Well No. #2	
LOCATION OF WELL	Unit	Sec. 4	Twp. 225	Rge. 27E	County EDDY		
	NAME OF RESERVOIR OR POOL		TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. FLOW, ART LIFT	PROD. MEDIUM (Tbg or Csg)	CHOKE SIZE	
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Oil Production During Test: _____ bbls; Grav. _____	Gas Production During Test _____ MCF; GOR _____	

Remarks: DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.

CSG. CAN NOT BE FLOWED, NO FLOW LINE.

(Continue on reverse side)

FLOW TEST NO. 2

Well opened at (hour, date): _____

Indicate by (X) the zone producing _____

Pressure at beginning of test _____

Stabilized? (Yes or No) _____

Maximum pressure during test _____

Minimum pressure during test _____

Pressure at conclusion of test _____

Pressure change during test (Maximum minus Minimum) _____

Was pressure change an increase or a decrease? _____

Well closed at (hour, date): _____

Oil Production _____

During Test: _____ bbls; Grav. _____

Gas Production _____

During Test _____ MCF; GOR _____

Remarks: _____

DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS

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

Approved _____ 19 _____
New Mexico Oil Conservation Division

C & W WIRELINE, INC. DBA
Operator BENNETT-CATHEY

By

Monty Randolph

Title PRODUCTION TESTING MGR.

By _____

Title _____

Date 10 18 89

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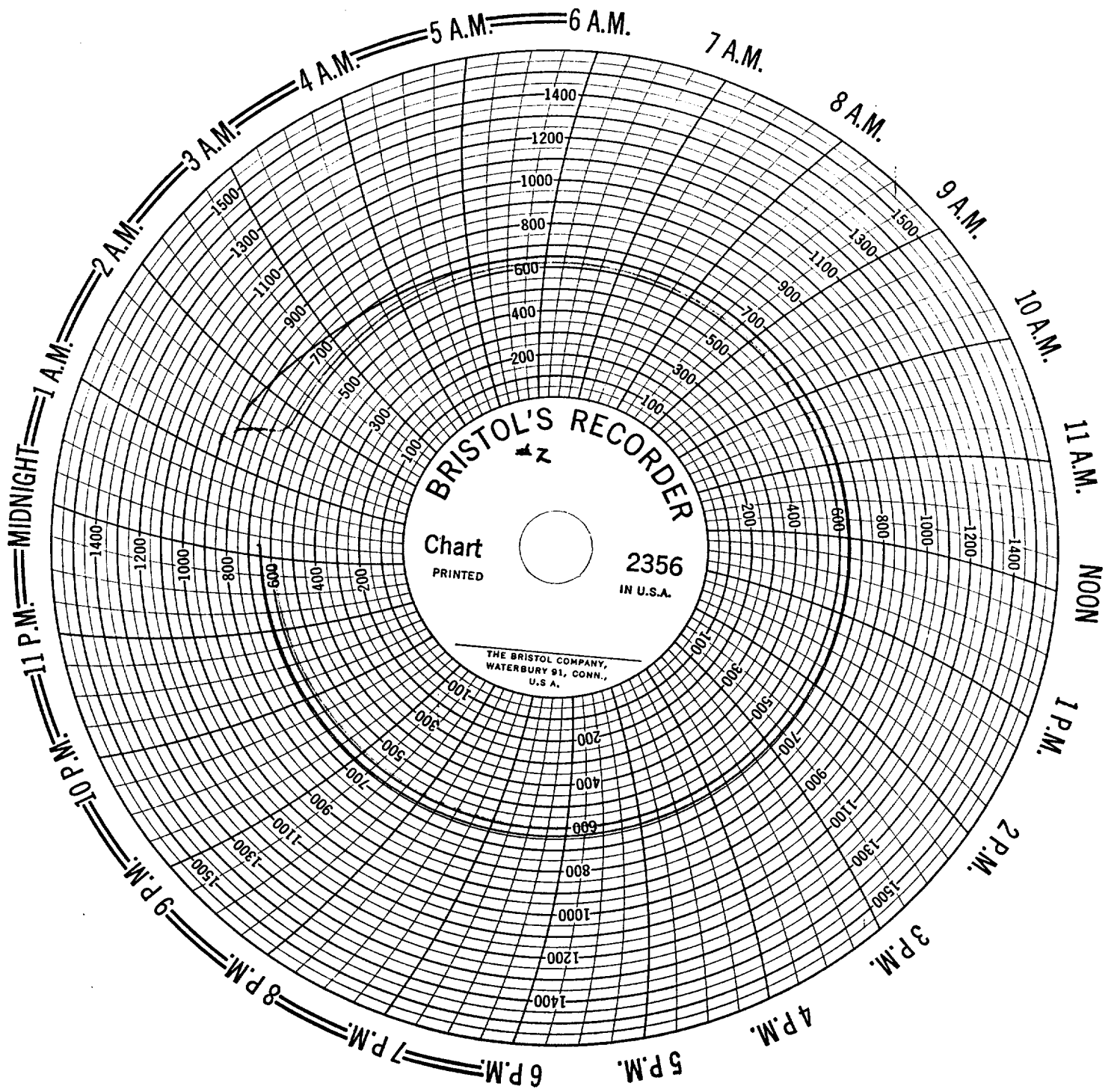
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(#2)

Quinoco Pt.
Union Mead Com #2

Package Leakage Test

Quart on 10/5/89 12:30 PM
off 10/6/89 12:30 PM

Flow tag. 24 Hes.

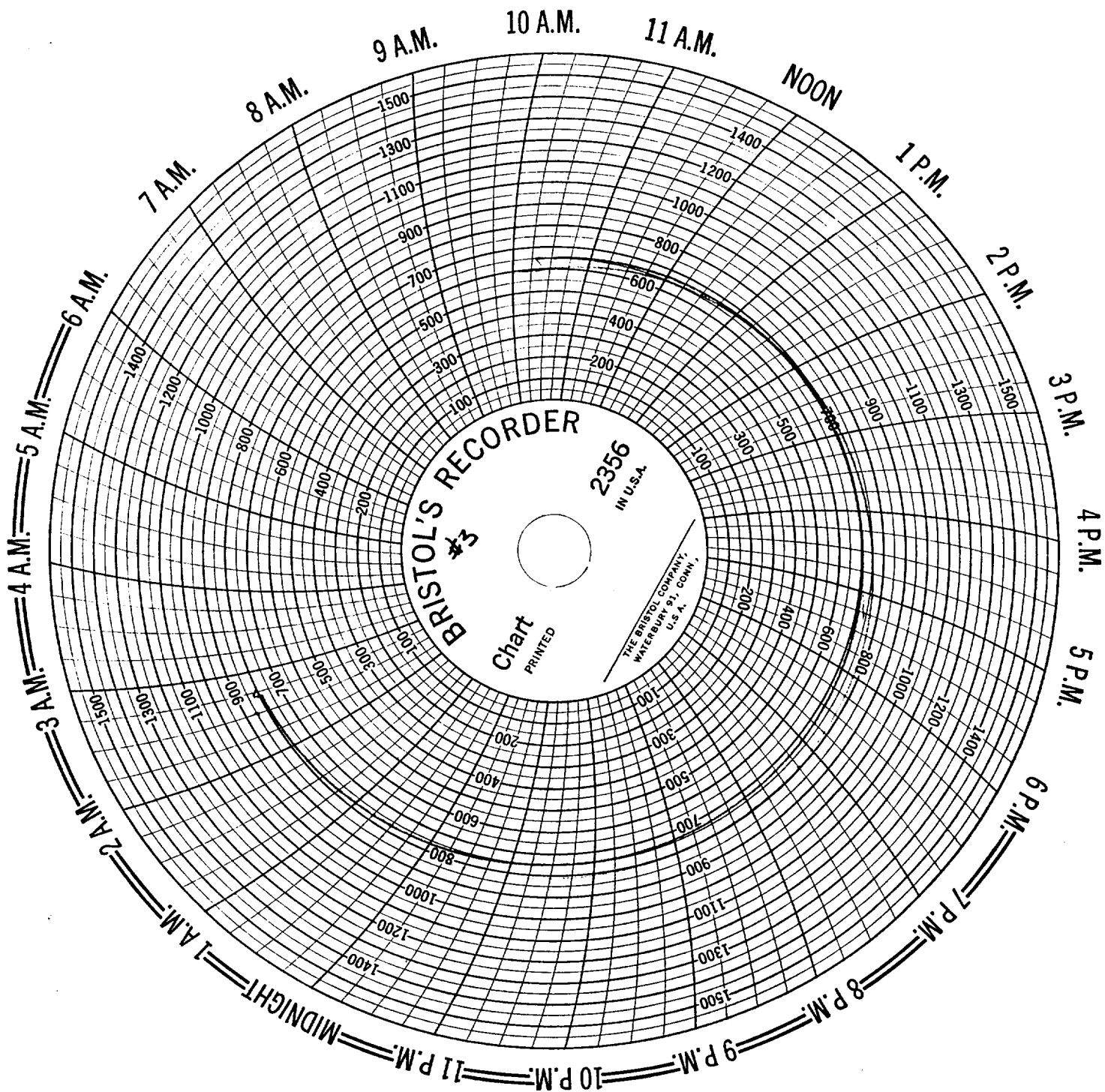
Csg. Shut. in

Csg. Cant be Flowed

No Flow Line!

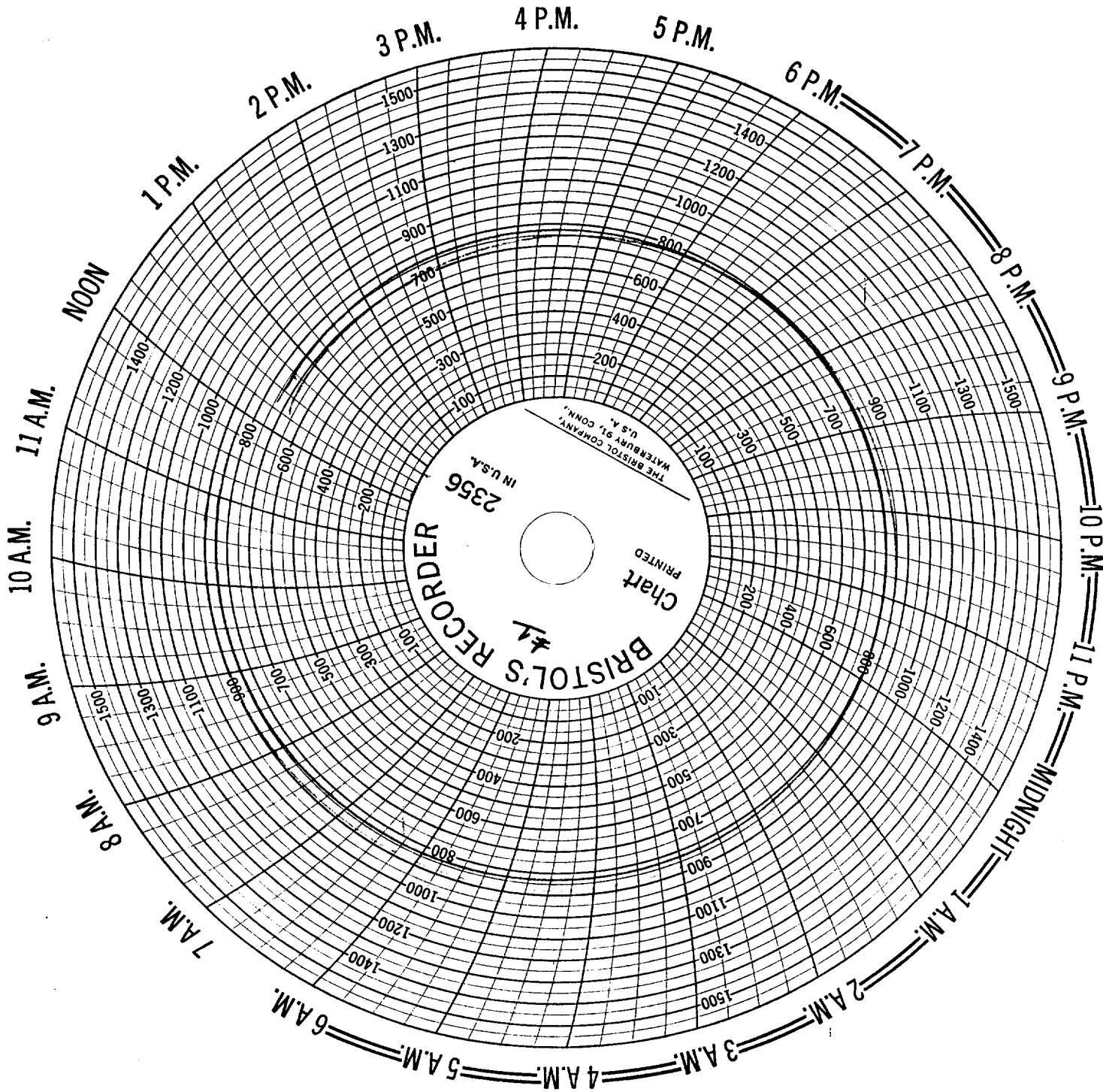
* Clock Ran 1 hr slow

* DEFINITE INDICATION OF COMMUNICATION
BETWEEN Tg. & AUGUS



QUINOCO PET. COM. #2
UNION MEAD LEAKAGE TEST
PACKER ON 10/6/89 11:00AM
CHART OFF 10/7/89 4:15AM
SHUT-IN TAG. Z4 HAS
CSG. ALREADY BE FLOWED
CSG. CANT Be Flowed
* I EFFINITE INDICATION OF COMMUNICATION
BETWEEN TAG. & ANULUS
No Flow Line!

(#3)



(#1)

QUINOCO PET.

UNION MEAD COM #2

PACKER LEAKAGE TEST

CHART ON: 10/4/89 12:30 AM

OFF: 10/5/89 12:30 AM

SHUT-IN TBG. FOR 24 HRS

CSG. ALREADY SHUT-IN

CSG. CANT BE FLOWED NO FLOW LINE!

* INDICATION OF COMMUNICATION BETWEEN
TBG & ANNULUS