

# REQUEST FOR (OIL) - (GAS) ALLOWABLE

JUN 23 1958 New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Artesia, New Mexico June 10, 1958

(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Burnham Oil Company

Yates State

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SE

SW

, Well No. 3, in 1/4 1/4,

(Company or Operator)

N

Sec. 15

T. 18-S

(Lease)

R. 28-E

NMPM.

Artesia

Pool

Unit Letter

Eddy

County. Date Spudded 3/6/58

Date Drilling Completed 5/29/58

Elevation 3613

Total Depth 2665 PBD 2590

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Top Oil/Gas Pay 2377 - 2512

Name of Prod. Form. Metex - Premier

PRODUCING INTERVAL -

Perforations 2512-2528; 2377-2385

Open Hole None

Depth Casing Shoe 2590

Depth Tubing 2500

OIL WELL TEST -

Natural Prod. Test: 20 bbls. oil, -0- bbls water in 2 1/2 hrs, min. Size Swab

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 60 bbls. oil, -0- bbls water in 2 1/2 hrs, min. Size Swab

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 25,000 lbs. sand and 25,000 gals. water

Casing Press. 300 Tubing Press. 100 Date first new oil run to tanks June 7, 1958

Oil Transporter Malco Refineries Inc., Box 660, Roswell, New Mexico

Gas Transporter None

Remarks:

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

Approved JUN 23 1958, 19

Burnham Oil Company

(Company or Operator)

By: E. Jeffers

(Signature)

Title Owner

Send Communications regarding well to:

Name Burnham Oil Company

Address Box 638, Artesia, New Mexico

OIL CONSERVATION COMMISSION

By: M. L. Armstrong

Title OIL AND GAS INSPECTOR

1952-53 COMMISSION

JOHN A. DISTRICT OFFICE

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1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as  $t \rightarrow \infty$ . It is shown that the solutions of the system (1) tend to zero as  $t \rightarrow \infty$  if and only if the matrix  $A$  is Hurwitz. The second part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as  $t \rightarrow \infty$  if the matrix  $A$  is not Hurwitz. It is shown that the solutions of the system (1) tend to infinity as  $t \rightarrow \infty$  if and only if the matrix  $A$  is not Hurwitz. The third part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as  $t \rightarrow \infty$  if the matrix  $A$  is not Hurwitz. It is shown that the solutions of the system (1) tend to infinity as  $t \rightarrow \infty$  if and only if the matrix  $A$  is not Hurwitz.

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**Table 1** Summary statistics of the variables used in the study

Variable	Mean	Standard deviation	Minimum	Maximum
Age	60.87	9.12	45	85
Gender	0.48	0.50	0	1
Marital status	0.72	0.45	0	1
Education	12.50	2.50	8	16
Income	1.25	0.50	0.50	2.00
Health status	0.75	0.43	0	1
Depression	0.15	0.37	0	1
Loneliness	0.25	0.43	0	1
Social support	0.75	0.43	0	1
Life satisfaction	0.75	0.43	0	1
Quality of life	0.75	0.43	0	1

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NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Form C-110  
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

JUN 23 1958

Company or Operator Burnham Oil Company Lease Yates State

Well No. 3 Unit Letter N S 15 T 18S R 28E Pool Artesia

County Eddy Kind of Lease (State, Fed. or Patented) State B-8196

If well produces oil or condensate, give location of tanks: Unit S 15 T 18S R 28E

Authorized Transporter of Oil or Condensate Malco Refineries Inc.

Address Box 660 Roswell, New Mexico

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas None

Address \_\_\_\_\_

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Not produced in commercial quantities

Reasons for Filing: (Please check proper box) New Well ☒ (X)

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership ( ) Other ( )

Remarks: \_\_\_\_\_ (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 10th day of June 1958

By E. Jeffers

Approved 1958 19

Title Owner

OIL CONSERVATION COMMISSION

Company Burnham Oil Company

By M. L. Armstrong

Address Box 638

Title \_\_\_\_\_

Artesia, New Mexico

OIL CONSERVATION COMMISSION

DISTRICT OFFICE

[illegible]

**RESEARCH DESIGN**

10. 50

[illegible][illegible]

$\frac{1}{2} \left( \frac{1}{2} \right) = \frac{1}{4}$

**Figure 6.** The effect of the number of iterations on the accuracy of the proposed algorithm. The results are averaged over 10 trials. The error bars represent the standard deviation.

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NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Burnham Oil Company Box 638 Artesia, New Mexico  
(Address)

LEASE Yates State WELL NO. 3 UNIT N 15 T 18-S R 28-E  
DATE WORK PERFORMED \_\_\_\_\_ POOL Artesia

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off  
☐ Beginning Drilling Operations ☐ Remedial Work  
☐ Plugging ☒ Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.

Drilled to 2665', hole dry; plugged back to 2590'.

5/30/58 Set 5 $\frac{1}{2}$ ", 15 $\frac{1}{2}$ ", new casing at 2590' with 75 sacks of cement; allowed cement to set.

6/3/58 Perforated 2512-2528 with 2 shots per foot; fracked with 15,000 lbs. sand and 15,000 gals. of water. Set bridge plug at 2390'. Perforated 2377-2385 with 3 shots per foot; fracked with 10,000 lbs. sand and 10,000 gals. of water.

Production increased to 60 bbls. per day on swab test.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. \_\_\_\_\_ TD \_\_\_\_\_ PBD \_\_\_\_\_ Prod. Int. \_\_\_\_\_ Compl Date \_\_\_\_\_  
Tbng. Dia \_\_\_\_\_ Tbng Depth \_\_\_\_\_ Oil String Dia \_\_\_\_\_ Oil String Depth \_\_\_\_\_  
Perf Interval (s) \_\_\_\_\_  
Open Hole Interval \_\_\_\_\_ Producing Formation (s) \_\_\_\_\_

RESULTS OF WORKOVER:

Date of Test \_\_\_\_\_

Oil Production, bbls. per day \_\_\_\_\_

Gas Production, Mcf per day \_\_\_\_\_

Water Production, bbls. per day \_\_\_\_\_

Gas-Oil Ratio, cu. ft. per bbl. \_\_\_\_\_

Gas Well Potential, Mcf per day \_\_\_\_\_

Witnessed by \_\_\_\_\_

BEFORE

AFTER

(Company)

OIL CONSERVATION COMMISSION

Name M. L. Armstrong  
Title OIL AND GAS INSPECTOR  
Date JUN 23 1958

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

Name E. Jeffers  
Position Owner  
Company Burnham Oil Company

C/L CONSERVATION COMMISSION  
ARIZONA DISTRICT OFFICE  
No. Copies Received 3

RECEIVED	
DATE	1/1/77
BY	/
FOR	/
BY	/
FOR	/