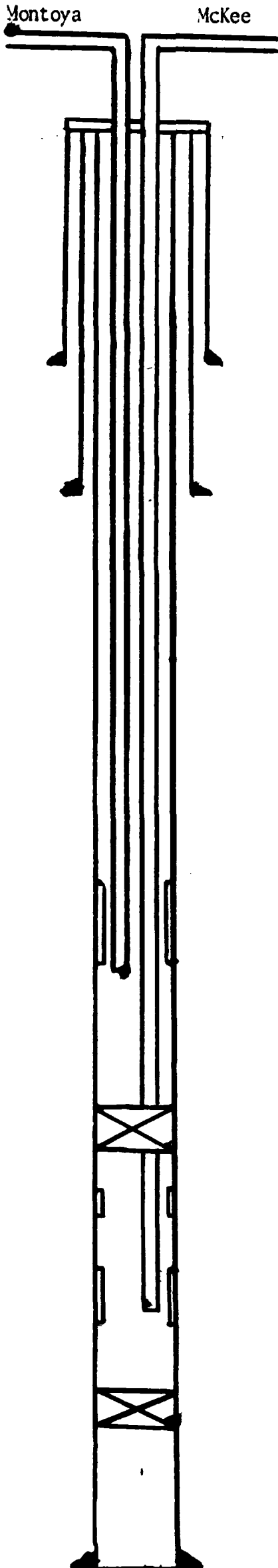


<p>Kenwood 1 3 Knight 27</p>	<p>Continental 1 8 2 4 U.S. Jack</p>	<p>Continental 1 8 2 4 U.S. Fristoe</p>	<p>Texaco 1 8 2 4 U.S. Erwin 26</p>	<p>G. James B284 B703640 DA12-8-55 Simmons, et al 25</p>	<p>Fowler Hair 25</p>	<p>Rolph Lowe D/R J P Gibbins Fowler Hair 30</p>	<p>Sinclair 067968 12 2 11 8 10 5 6 9 J H McClure 4 3 1 7 U.S.</p>
<p>Amerade 1 3 2 4 Johnson</p>	<p>U.S. Jack</p>	<p>Texaco 1 8 2 4 U.S. Fristoe</p>	<p>Texaco 1 8 2 4 NCT 2 Fristoe 26</p>	<p>Tide Water, et al 2 Hair Clyde N Cooper (S)</p>	<p>25</p>	<p>Sinclair 2 4 L. E Vance 5 3 1</p>	<p>10 5 6 9 J H McClure 4 3 1 7 U.S.</p>
<p>Humble 4 5 7 West'n Nat 1 3 Prod. Prop. Williams 34</p>	<p>Texaco A NCT 1 Fristoe U.S.</p>	<p>Texaco A NCT 2 U.S. Fristoe 35</p>	<p>Texaco A NCT 2 U.S. Fristoe 35</p>	<p>Gulf 14 Jack Frost 1 3 2 4 118 36 T03170 Ramsay State</p>	<p>6.A. Smith 36 T03170 Ramsay State</p>	<p>Sunshine Roy 3 Elliott Inc &amp; Hall 2 5 Elliott Fed 31</p>	<p>5 H 4 H 3 H 7 H 2 H 1 H 3 H 2 H 1 H Texas et al J B McGhee 5 7 2</p>
<p>So Calif Prod Prod. Prop. 3 Sinclair R. L. Masley 4</p>	<p>Three States 1 2 Sinclair R. L. Masley 4</p>	<p>Parker Dril 2 3 U.S. Erwin</p>	<p>Texaco S 15 58 Clyde N Cooper U.S.</p>	<p>3 2 4 118 36 T03170 Ramsay State</p>	<p>36 T03170 Ramsay State</p>	<p>6 3 1 8 4 Texas et al J B McGhee 5 7 2</p>	<p>6 3 1 8 4 Texas et al J B McGhee 5 7 2</p>
<p>Husky 1 3 Three States A 3 Plains Prod 10 3702 J B Humphrey Liberty Royalty</p>	<p>Texaco A NCT 2 3 Plains Prod 10 3702 J B Humphrey Fristoe U.S.</p>	<p>Texaco A NCT 2 3 Plains Prod 10 3702 J B Humphrey Fristoe U.S.</p>	<p>Texaco A NCT 2 3 Plains Prod 10 3702 J B Humphrey Fristoe U.S.</p>	<p>Westates 82 3 032579 E F233 B-1 U.S. MI Carlson Cities Service B J L Hodges Atlantic 1/2 MI Clyde N. Cooper (S)</p>	<p>Westates 82 3 032579 E F233 B-1 U.S. MI Carlson Cities Service B J L Hodges Atlantic 1/2 MI Clyde N. Cooper (S)</p>	<p>Seaboard 7 23 57 E W Burruss E N Cooper Skelly H.B.P. B-9521 Leonard Oil HBP 0569 U.S., MI Blocker Bros., S</p>	<p>Sinclair B-10272 Leonard Oil HBP 0569 U.S., MI Blocker Bros., S</p>
<p>T.P.C.E.O. A U.S. Langbe And Prich U.S. Stuart 10 Sinclair 3 4 28 Three States Stuart</p>	<p>Gulf 4 8 U.S. Stuart 10 Sinclair 3 4 28 Three States Stuart</p>	<p>Gulf 4 8 U.S. Stuart 10 Sinclair 3 4 28 Three States Stuart</p>	<p>And Prich U.S. Jel T.P.C.E.O. HBP 01-B T.P.C.E.O. Atlantic And Prich 0140977 U.S. Atlantic, et al T.P.C.E.O. Justis</p>	<p>Western Nat'l G/R T.P.C.E.O. JUSTIS 10 6 3 5 4 Eaton 2 7</p>	<p>Western Nat'l G/R T.P.C.E.O. JUSTIS 10 6 3 5 4 Eaton 2 7</p>	<p>Leonard Oil HBP 0569 U.S., MI Blocker Bros.</p>	<p>Leonard Oil HBP 0569 U.S., MI Blocker Bros.</p>

Diagrammatic Sketch

File 2537  
J. C. Williamson  
Westates-Federal # 8  
North Justis Pool - Lea County  
Proposed Dual McKee - Montoya Completion



13 3/8" csg. set at 320' - Circulated cement

9 5/8" csg. set at 2275' - Circulated cement

Montoya Perfs 7070 - 7120'

Montoya Tubing set at 7126'

Brown Packer set at 7722'

McKee Perfs 7782 - 7796'  
8024 - 8042'

McKee Tubing set at 8032'

Bridge Plug at 8070' W/10' Cement on top

7" Csg. set at 8204' - T/Cement 2300' Apex Engrs.

TD 8550'

Case 2537

OIL CONSERVATION COMMISSION

1962 APR 2 BOX 371 8:31

HOBBS, NEW MEXICO

DATE March 30, 1962

OIL CONSERVATION COMMISSION  
BOX 371  
SANTA FE, NEW MEXICO

Re: Proposed NSP \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed NFC \_\_\_\_\_  
Proposed DC X

Gentlemen:

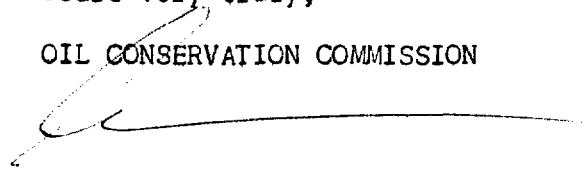
I have examined the application dated 3/26/62  
for the J. C. Williamson Westates Fed. #8-E 1-25-37  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

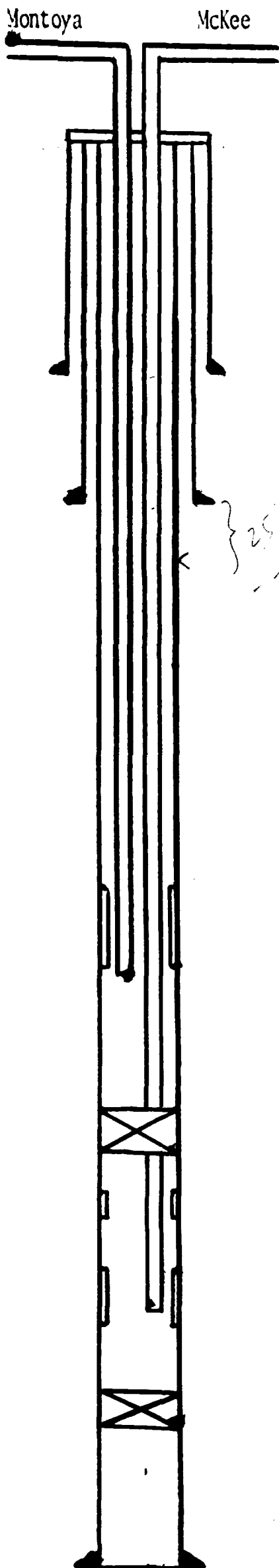
O.K.---E.F.E.  
O.K.---J.W.R.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

OIL CONSERVATION COMMISSION



J. C. Williamson  
Westates-Federal # 8  
North Justis Pool - Lea County  
Proposed Dual McKee - Montoya Completion



13 3/8" csg. set at 320' - Circulated cement

9 5/8" csg. set at 2275' - Circulated cement

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
<i>Apex</i>	EXHIBIT NO. <u>3</u>
CASE NO.	<u>2537</u>

Montoya Perfs 7070 - 7120'

Montoya Tubing set at 7126'

Brown Packer set at 7722' (BP 4H)

McKee Perfs 7782 - 7794'  
8022 - 8042'

McKee Tubing set at 8032'

Bridge Plug at 8070' W/10' Cement on top

7" Csg. set at 8204' - T/Cement 2300' Apex Engrs.

TD 8550'

NAME OF WELL	
DISTRICT	
COUNTY	
TOWNSHIP	
RANGE	
SECTION	
LAND	
OPERATOR	
DATE	
TIME	
LOCATION	
REMARKS	

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE  
**ILLEGIBLE**

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 QUADRUPPLICATE 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.

Midland, Texas  
(Place)

April 4, 1962  
(Date)

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

J. C. Williamson Westates-Federal, Well No. 8, in Sec. 1, T. 25-S., R. 32-E., NMPM, North Justis (Montoya) Pool  
(Company or Operator) (Lease)

County: Deaf Smith Date Spudded: 1/10/62 Date Drilling Completed: 2/19/62  
Elevation: 3139' DF Total Depth: 8550 PSTD: 8204  
Top Oil/Gas Pay: 7056 Name of Prod. Form: Montoya

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

Please indicate location:

PRODUCING INTERVAL -

Perforations: 7070 - 7120'

Open Hole: Depth: 8204 Casing Shoe: 7126

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls. water in hrs. min. Size Choke  
Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 360 bbls. oil, 0 bbls. water in 24 hrs. min. Size 18/64

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:

1620' FNL & 330' FNL of Sec. 1 (Montoya)

Tubing, Casing and Cementing Record

Size	Feet	Size
13 3/8	320	220
9 5/8	275	150 Units
7	8204	150 Units
2" EUE	7126	220 Sx

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 3000 gal. acid

Casing Press. 350 Tubing Press. 110 Date first new oil run to tanks March 3, 1962

Oil Transporter Texas-New Mexico Pipe Line Company

Gas Transporter El Paso Natural Gas Company

Remarks: Upper Zone of a Dual

BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 4  
CASE NO. 2537

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

Approved: 19

J. C. WILLIAMSON  
(Company or Operator)

OIL CONSERVATION COMMISSION

By: Mary E. Donigan  
(Signature)

By:

Title: Asst.  
Send Communications regarding well to:

Title:

Name: J. C. WILLIAMSON

Address: BOX 16, MIDLAND, TEXAS

NAME OF WELL	
COUNTY	
TOWNSHIP	
RANGE	
SECTION	
LAND SURVEY	
TRANSPORTER	DATE
PRODUCTION OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Fe. New Mexico

(Form C-104)  
Revised 7/1/57

## REQUEST FOR (OIL) - (GAS) ALLOWABLE

# ILLEGIBLE

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 QUADRUPPLICATE 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.

MIDLAND, TEXAS  
(Place)  
APRIL 1, 1962  
(Date)

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

J. C. Williamson, Ne-states Federal, Well No. 0, in SW 1/4, NE 1/4, E 1/4, Sec. 1, T. 25-S., R. 32-E., NMPM, North Justis (Montoya) Pool

County, Date Spudded 1/16/62, Date Making Gaswell 2/19/62

Please indicate location:

Elevation 3139' DF, Total Depth 8550, PSD 8204

Top Oil/Gas Pay 7056, Name of Prod. Form. Montoya

### PRODUCING INTERVAL -

Perforations 7070 - 7120  
Open Hole, Depth, Casing Shoe 8204, Depth, Tubing 7126

### OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls. water in hrs, min. Choke Size  
Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): bbls. oil, bbls. water in hrs, min. Choke Size

### GAS WELL TEST -

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

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

Test After Acid or Fracture Treatments: 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): 2000 gals. acid

Casing Press. 350, Tubing Press. 110, Date first new oil run to tanks March 3, 1962

Oil Transporter Texas-New Mexico Pipe Line Company

Gas Transporter El Paso Natural Gas Company

1620' ENL & 330' FWL OF Sec.

(FOOTAGE)

Logging, Casing and Cementing Record

Sec Feet Sec

13 3/8	320	220
3 3/8	2275	150 Units 100 Sx
7	8204	150 Units 220 Sx
2" EUE	7126	

Remarks: Upper Zone of a Dual

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

Approved, 19, J. C. WILLIAMSON

(Company or Operator)

OIL CONSERVATION COMMISSION

By: Mary E. Sawyer (Signature)

Title Asst.

Send Communications regarding well to:

Name J. C. WILLIAMSON

BOX 16, MIDLAND, TEXAS

By:

Title

NAME OF DISTRICT OFFICE	
DISTRICT	
TYPE OF WELL	
FILE	
W.C.O.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

(Form C-104)  
Revised 7/1/57

Santa Fe, New Mexico

## REQUEST FOR (OIL) - (GAS) ALLOWABLE

# ILLEGIBLE

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.

Midland, Texas April 4, 1962  
(Place) (Date)

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

J. C. Williamson Westates-Federal, Well No. 8, in SW 1/4 NW 1/4,  
(Company or Operator) (Lease)  
E Sec. 1, T. 25-S., R. 37-E., NMPM., North Axtis (Montoya) Pool

Les County Date Spudded 1/15/62 Date Spilling Completed 2/19/62

Please indicate location:

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

Elevation 3130' Total Depth 8550 PBTD 8204

Top Oil/Gas Pay 7056 Name of Prod. Form. Montoya

#### PRODUCING INTERVAL -

Perforations 7070 - 7120

Open Hole Depth Casing Shoe 8204 Depth Tubing 7126

#### OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): 360 bbls. oil, 0 bbls water in 24 hrs, min. Size 18/64

#### 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): 2000 gals. acid

Casing Press. 350 Tubing Press. 110 Date first new oil run to tanks March 3, 1962

Oil Transporter Texas-New Mexico Pipe Line Company

Gas Transporter El Paso Natural Gas Company

1620' FNL & 330' FWL of Sec.

(POSTAGE)

Logging, Casing and Cementing Record

Sur	Feet	Sec
13 3/8	320	220
9 5/8	2275	150 Units 100 Sx
7	8204	150 Units 220 Sx
2" EUE	7126	

Remarks: Upper Zone of a (Mid)

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

Approved: 19 J. C. WILLIAMSON

(Company or Operator)

OIL CONSERVATION COMMISSION

By: Mary E. [Signature] (Signature)

Title Asst.

Send Communications regarding well to:

Name J. C. WILLIAMSON

BOX 16, MIDLAND, TEXAS

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-101)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

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-101 is to be submitted in QUADRUPPLICATE 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.

Midland, Texas

March 14, 1963

(Place)

(Date)

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

J. C. WILLIAMS

Midland, Texas

Well No. 8

in

Sec. 1/4

1/4

(Company or Operator)

Sec. 1

T-22-6

R-37-6

NMPM

North Austin (Dallas)

Pool

Sec. 1

County. Date completed 2/14/63

Date Drilling Completed 2/14/63

Please indicate location:

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

Elevation 2740'

Total Depth 8200'

PTD

8200'

Top Oil/Gas Pay 7700'

Name of Prod. Form. 11000

2/14/63

PRODUCING INTERVAL -

Perforations (7700' - 7704') (8000' - 8004') 1 1/2 shots per ft.

Open Hole

Depth

Casing Shoe 8204

Depth

Tubing 8200'

OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls. water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 200 bbls. oil, 0 bbls. water in 24 hrs, \_\_\_\_\_ min. Size 10/64

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): 30,000 gals. Sand + Oil Pump + 1 lb sand per gal

Casing \_\_\_\_\_ Tubing \_\_\_\_\_ Date first run March 1, 1963

Press. \_\_\_\_\_ oil run to tanks

Oil Transporter Trans-Mex Pipeline Co.

Gas Transporter Not Connected

Logging, Sealing and Cementing Record

Log	Feet	Sec
25-26	200	200
27-28	200	200
29-30	200	200
31-32	200	200
33-34	200	200
35-36	200	200
37-38	200	200
39-40	200	200
41-42	200	200
43-44	200	200
45-46	200	200
47-48	200	200
49-50	200	200
51-52	200	200
53-54	200	200
55-56	200	200
57-58	200	200
59-60	200	200
61-62	200	200
63-64	200	200
65-66	200	200
67-68	200	200
69-70	200	200
71-72	200	200
73-74	200	200
75-76	200	200
77-78	200	200
79-80	200	200
81-82	200	200
83-84	200	200
85-86	200	200
87-88	200	200
89-90	200	200
91-92	200	200
93-94	200	200
95-96	200	200
97-98	200	200
99-100	200	200

Remarks:

ILLEGIBLE

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 5

2537

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

Approved \_\_\_\_\_ 19 \_\_\_\_\_

OIL CONSERVATION COMMISSION

By: \_\_\_\_\_ (Signature)

Title \_\_\_\_\_

Send Communications regarding well to:

Name J. C. WILLIAMS

Address BOX 14, MIDLAND, TEXAS

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-101)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

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. This form shall be submitted in QUADRUPPLICATE 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 work tanks. Gas must be reported on 15.025 psi at 60° Fahrenheit.

Midland, Texas

March 14, 1962

(Place)

(Date)

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

J. C. WILLIAMS

WILLIAMS-RENNAL

Well No. 8, in SE 1/4, NW 1/4,

(Company or Operator)

(Lease)

Sec. 1, T. 25-S, R. 27-E, NMPM, North Justin (Midland) Pool

Loc

County, Date Spudded 1/14/62

Date Drilling Completed 2/10/62

Elevation 2524' or Total Depth 8550' PSTD 8554'

Top Oil/Gas Pay 7702' Name of Prod. Form. Nallas

PRODUCING INTERVAL -

Perforations (7702 - 7704') (8022 - 8042') 1/2 shots per ft.

Open Hole Depth Casing Shoe 8304 Depth Tubing 8022'

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Choke Size

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 200 bbls. oil, 0 bbls water in 26 hrs, min. Choke Size 20/64

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): 10,000 gal. Sand - Oil Foam + 1 lb acid per gal

Casing Tubing Date first new oil run to tanks March 1, 1962

Oil Transporter Texas-New Mexico Pipe Line Co.

Gas Transporter Not Connected

Tubing, Casing and Cementing Record

Size Feet Size

25 3/4	250	250
9 5/8	2275	200 1/2 in
7	2000	200 1/2 in
4" 5/8	2000	

Remarks:

ILLEGIBLE

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

Approved \_\_\_\_\_ 19 \_\_\_\_\_

J. C. WILLIAMS

(Company or Operator)

OIL CONSERVATION COMMISSION

By \_\_\_\_\_

Title \_\_\_\_\_

Title \_\_\_\_\_

Send Communications regarding well to:

Name J. C. WILLIAMS

Address BOX 16, MIDLAND, TEXAS



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
**Oil Conservation Division**

*ADMINISTRATIVE ORDER NO. WFX-763*

***APPLICATION OF THE W.A. & E.R. HUDSON, INC. TO EXPAND ITS WATERFLOOD  
PROJECT IN THE MALJAMAR GRAYBURG-SAN ANDRES POOL IN EDDY COUNTY,  
NEW MEXICO***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Orders No. R-2239, W.A. & E.R. Hudson, Inc. has made application to the Division on July 13, 2000 for permission to expand its Puckett Waterflood Project in the Maljamar Grayburg-San Andres Pool in Eddy County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection wells are eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced Waterflood Project will not cause waste nor impair correlative rights.
- (7) The application should be approved.

**IT IS THEREFORE ORDERED THAT:**

The applicant, W.A. & E.R. Hudson, Inc. be and the same is hereby authorized to inject water into the Grayburg and San Andres formations at approximately 3,320 feet to approximately 3,974 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the following described well for purposes of secondary recovery to wit:

**Puckett-Federal Well No. A-10**

API No. 30-015-05386

1980 FNL & 660 FWL, Unit 'E', Section 24

Injection Interval: 3,346 feet to 3,418 feet (Perforated)

3,475 feet to 3,974 feet (Openhole)

Maximum Injection Pressure: (.2 psi/ft) 669 psig

**Puckett-Federal Well No. A-13**

API No. 30-015-05376

660 FNL & 660 FWL, Unit 'D', Section 24

Injection Interval: 3,320 feet to 3,325 feet (Perforated)

3,380 feet to 3,930 feet (Openhole)

Maximum Injection Pressure: (.2 psi/ft) 664 psig

**Puckett-Federal Well No. A-14**

API No. 30-015-05135

660 FSL & 660 FWL, Unit 'M', Section 13

Injection Interval: 3,394 feet to 3,929 feet (Openhole)

Maximum Injection Pressure: (.2 psi/ft) 679 psig

**Puckett-Federal Well No. B-15**

API No. 30-015-05405

1980 FNL & 660 FWL, Unit 'E', Section 25

Injection Interval: 3,424 feet to 3,798 feet

Maximum Injection Pressure: (.2 psi/ft) 685 psig

Located Township 17 South, Range 31 East, Eddy County, New Mexico.

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

*Administrative Order WFX-763*

*W.A. & E.R. Hudson, Inc.*

*July 28, 2000*

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Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to .2 psi per foot of depth to the uppermost injection perforation.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Grayburg and San Andres formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject well shall be governed by all provisions of Division Orders No. R-2239 and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

*Administrative Order WFX-763*

*W.A. & E.R. Hudson, Inc.*

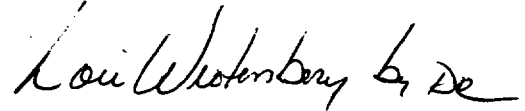
*July 28, 2000*

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DONE at Santa Fe, New Mexico, on this 28<sup>th</sup> day of July, 2000.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

A handwritten signature in cursive script, appearing to read "Lori Wrotenbery", followed by a stylized flourish or initials.

LORI WROTENBERY  
Director

S E A L

LW/MWA/kv

cc: Oil Conservation Division - Artesia  
Case File No. 2536 (Order No. R-2239) /

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Form C-101  
Revised 10-1-59

REQUEST FOR (OIL) - (GAS) ALLOWABLE

For Use  
Exclusively

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-101 is to be submitted in QUADRUPPLICATE 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 80° Fahrenheit.

Midland, Texas

March 14, 1962

(Place)

(Date)

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

A. C. WILLIAMS

Midland, Texas

Well No. 8, in 21 1/4 Sec. 14, T. 21N, R. 12E, NMPM, North Justice (Shale) Pool

(Company or Operator)

Sec. 1

Counter. Date Started 1/14/62

Date Wellbore Completed 2/10/62

Approximate Location:

Elevation 5250' Total Depth 5250' FWD 5250'

Top Oil/Gas Pay 5250' Name of Prod. Form 14-1

PERFORATIONS -

Perforations (7702 - 7704) (3002 - 3004) 1 1/2" chokes per ft.

Open Hole 5250' Casing Shoe 5250' Depth Tubing 5250'

OIL WELL TEST -

Natural Prod. Test: 200 bbls. oil, 0 bbls water in 24 hrs., 0 min. Choke Size 1 1/2"

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of lead oil used): 200 bbls. oil, 0 bbls water in 24 hrs., 0 min. Choke Size 1 1/2"

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): 20,000 gal. acid + 100 gal. water + 10 gal. oil + 10 gal. sand

Testing Tools: Pitot

Oil Transporter Tanker

Gas Transporter Tanker

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

1	2	3
4	5	6
7	8	9
10	11	12

ILLEGIBLE

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

Approved: 12

By: [Signature]

(Operator or Operator)

(Signature)

This [Signature]

NEW MEXICO OIL CONSERVATION COMMISSION