#### ESTIMATED PAYOUT

#### 160 Acre Spacing

Daily Take Distillate

500,000 cubic/day 30 barrels/million

Gas Price

16¢

Distillate Price

\$2.36 (Net after trucking and taxes)

Cost of Wells

\$130,000

Gross Gas Income Per Month = 15,000 MCF x . 16 x . 875

\$2,100.00 =

Estimated taxes & operating

expense (month)

= \$ 300.00

NET GAS INCOME PER MONTH = \$1,800.00

#### PAYOUT WITH NO DISTILLATE INCOME

Payout

= Well Cost : Monthly Income

= \$130,000  $\div$  \$1,800.00

= 72 Months

#### DISTILLATE INCOME PER MONTH

Income per Month = 30 barrels  $x 15 \times $2.36 \times .875$ 

= \$929.25

#### PAYOUT WITH DISTILLATE INCOME

Payout

= Well Cost : Monthly Income

 $$130,000 \div $2,729.25$ 

47.6 Months

#### COMPLETION HISTORY

#### Brown & George #1 Federal:

Location: 1980 feet FS&WL Section 33, T-7-S, R-37-E.

Elevation: 4062 feet Total Depth: 8762 feet

#### Drillstem tests:

7969-8007, open 2 hours, GTS 55" (Estimated 50,000 cubic feet per day), recovered 180' slightly gas cut mud. 30"ISIP 755# FP 85-115# 30" FFP 480#

8010-8242, open 1 hr. 15 min. GTS 7 minutes, flowed 2,200 MCF, stuck tool, no shut in pressures.

#### Completion:

Perfs: 8022-42, 8094-8100, 8114-24 500 gallons acid.

Absolute open flow 16,900,000 cubic feet/day plus 30 barrels of distillate/million.

#### Brown & George #1-A Federal:

Location: 990' FS&EL Section 33, T-7-S, R-37-E.

Elevation: 4055' Total Depth: 8799 feet.

#### Drillstem Tests:

7964-8017, open 1 hr., GTS 5" (Estimated 150,000 increasing to 200,000 cubic ft/day). 30" ISIP 1850# FP 0 30" FSIP 2860#

| BEFORE EXAMINER MUTTER       |
|------------------------------|
| OIL CONSERVATE IN COMMISSION |
| EXHISIT NO. <u>久</u>         |
| CASE NO. 2355                |

8014-8069, open 1 hr, 20 min., recovered 90' gas cut mud.

30" ISIP 310# FP 0 30" FSIP 400#

8072-8157, open 1-1/2 hrs, GTS 3", 800,000 cubic ft/day, decreasing to 525,000 cubic ft/day. Recovered: 270' heavily gas cut mud, 540' heavily gas cut distillate cut and salt water cut mud, 270' slightly gas cut salt water.

30" ISIP 2960# FP 450# FFP 465# 30" FSIP 2725#

#### Completion:

<u>Perforated:</u> 8143-46, acidized 500. Flowed 300,000 cubic ft/day + 52 barrels water. Set bridge plug at 8105.

<u>Perforated:</u> 7994-8002, 8004-8009, 8016-30, acidized 2500 gallons. Absolute open flow potential 1.3 MMCF/day plus 50 barrels distillate/million.

#### Brown & George #5 Bluitt Unit:

Location: 1980' FSL & 660 FWL Section 27, T-7-S, R-37-E.

Elevation: 4050 feet. Total Depth: 9265 feet.

#### Drillstem Tests:

8069-8107, open 1 hr, recovered 90 feet slightly gas cut mud.

30" ISIP 2845# FP 75-155# 30" FSIP 2120#

#### Completion:

Perforated: 8052-8056, 8062-92, acidized 5000 gallons. Absolute open flow potential 470,000 cubic ft/day, 8 barrels of distillate, 15 barrels water. Tracer Survey indicates bad cement job.

#### RADIUS OF DRAINAGE CALCULATIONS

Brown and George Well No. 1 Federal "A" Lease Section 33 T7S R37E Roosevelt Co., New Mexico

Horizontal Steady-State Single Phase Flow of Compressible
Fluids

(Sylvain J. Pirson - "Oil Reservoir Engineering")

#### Radial Flow Formula:

#### Where:

Q = Volume gas Flowing, ft 3/day

h = Formation thickness, ft

k = Permeability, Darcies

Z = Gas compressibility factor

M = Viscosity of gas, co.

To = Formation temperature, or

R = Formation pressure at external

BEFORE EXAMINER NUTTER = BNP of well while producing, psio
OIL CONSERVATION COMMISSION

EXHIBIT NO. 8 = External drainage radius, It

CASE NO. 2355 = Well bore radius, It

Substituting following values:

Radius of drainage for 320 acres = 2040ft

#### TRANSWESTERN PIPELINE COMPANY

FIRST CITY NATIONAL BANK BUILDING

HOUSTON, TEXAS

MAIL ADDRESS
P.O. BOX 1502
HOUSTON 1,TEXAS

February 22, 1961

H. L. Brown, Jr. 507 Midland Savings Building Midland, Texas

Re: Gas Furchase Agreement dated February 22,

1961 between H. L. Brown, Jr. et al. and

Transwestern Pipeline Company

Dear Sir:

Article I of the captioned contract provides, among other things, that the parties to the contract will initially agree to a total quantity of recoverable gas originally in place under the lands and leases covered by the contract. Such reserves as calculated by our Reserve Department are 19,200 MEF & 14.65 psia; and such number is based upon your owning the interest shown on the attached table, which shows the breakdown of such number.

If this estimate is satisfactory with you will you please execute and return one copy of this letter to me.

Yours very truly,

TRANSVIRSTERN PIPELINE COMPANY

Ben A. Copass, Jr./ Manager, Gas Purchase Contracts

AGENCE TO this 22 day of

H. L. MOM. JR.

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 10

CASE NO. 2355

**ILLEGIBLE** 

# GAS RESERVE SUMMARY

|        | #1 Federal | #5 Fed.           | County, State Well Name        | For TW Contract No.  |
|--------|------------|-------------------|--------------------------------|--|
|        | eral .     | #5 Federal Bluitt | Name Lease or Unit Description | 388 With (All figures in MMCF)                                   |
| 19,200 | 10,800     | 8,400             | Gross Rec.<br>Reserve          | H. L. Brown et al., dated February 22, 1961 14.65 psia and 60°F) |
|        | 100%       | 100%              | Contract<br>Interest (%)       | 1 February 22, 1961  |
|        |            |                   | Rec. Reserve<br>For Contract   |  |

#### Tidewater Oil Company



Box 1404
Houston 1, Texas

D. H. Connell, Jr.
Division Provation and
Unitization Manager
John S. Candron, Jr.
Provation Supervisor
Everett W. Hargrave, Jr.
Unitization Supervisor

July 29, 1964

New Mexico Oil Conservation Commission P. O. Box 871 Santa Fe, New Mexico

Attention: Mr. Elvis A. Utz, Examiner

Gentlemen:

Case 2355 - Order R-2051-B Case Bluitt-Wolfcamp Gas Pool Roosevelt County, New Mexico

This is to advise that Tidewater Oil Company has received notice of the subject hearing now set for August 5, 1964. Tidewater has a working interest in gas wells operated by Mr. H. L. Brown, Jr. in this field.

We are advised that Mr. Brown will appear at this hearing and request that temporary 320-acre gas spacing units, as established by Order R-2051-B, be continued for this field. This is to advise that Tidewater concurs with Mr. Brown's recommendations in this matter.

Very truly yours,

TIDEWATER OIL COMPANY

JOHN S. CAMERON, JR.

JSC:mp

cc: Mr. H. L. Brown, Jr.
507 Midland Savings Building
Midland, Texas

# OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

| ASE | 2355                      | Hearing Date              | 9am       | 8/29/42   |
|-----|---------------------------|---------------------------|-----------|-----------|
|     | My recommendations for an | order in the above number | DSN       | (4)5F     |
| · • | Euter au                  | order exten               | ding to   | le<br>Ton |
|     | Temporary of              | soul sules                | en the    | Hull      |
|     | ( sallamp                 | Gar Von                   | for "     | ev        |
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|     | Dall Ora                  | ler a for                 | e cab     | led su    |
|     | August,                   | 1963 To pu                | Crust     | applicant |
|     | La anna                   | of Show &                 | lust 1    | why fool  |
|     | Thould na                 | + revert to               | 160-A     | er spreng |

Staff Hamber

#### CONTINUATION OF HISTORY OF THE BLUITT-WOLFCAMP GAS POOL

#### Roosevelt County, New Mexico August 5, 1964

A. New Wells -

Since August 29, 1962, there have been no new wells drilled in and around the Bluitt-Wolfcamp gas pool.

B. Status of Existing Wells -

HLB, Jr. & CEG #1-A Federal - To date, no connection - Connected 8/9/61 to - Transwestern Pipeline Company

Accumulative gas production delivered to Transwestern from August 1961 through July 1963

129,444 MCF

2-60 7-16-64 2 2 2 2 2 3 7

Gas Delivery to Transwestern

|                | MCF      |                               |
|----------------|----------|-------------------------------|
| August 1963    | 4,111    |                               |
| September 1963 | 3, 337   |                               |
| October 1963   | 2,761    | 129.444                       |
| November 1963  | 9,729    | 4531482 -                     |
| December 1963  | 51,827   | 582,1926                      |
| January 1964   | 57,284   | 582,1926<br># /- A            |
| February 1964  | 61,052   |                               |
| March 1964     | 62,153   | - 4000 185415<br>11-9-61 1964 |
| April 1964     | 65,638   | 11-9-61 1764                  |
| May 1964       | 69,596   |                               |
| June 1964      | 65,994   | # #                           |
|                | 453, 482 | 273/# 2914.#                  |

Ag .

o Al. Hist of M2

# **ILLEGIBLE**

#### HISTORY OF THE BLUITT-WOLFCAMP GAS POOL

Roosevelt County, N. M.

A. H. L. Brown, Jr. & Clem E. George #1 Federal Unit K, Section 33, T7S, R37E

Spudded 7/26/59

Completed 10/4/59

TD 8762'

BEFORE EXAMINER NUTTER

SI-Gas Well

B. H. L. Brown, Jr. & Clem E. George #5 Federal Unit L, Section 27, T7S, R37E

Re-Entry, Spudded 12/11/59

Completed 3/7/60

TD 9265'

SI - Gas Well

C. H. L. Brown, Jr. & Clem E. George #1-A Federal

Unit P, Section 33, T7S, R37E

Spudded 3/27/61

Completed 5/22/61

TD 8790'

SI Gas Well

D. H. L. Brown, Jr. & Clem E. George #1 H. P. Saunders Estate

Unit E, Section 5, T8S, R37E

Spudded 8/2/61

Completed 10/19/61 TD 9565'

Dry Hole

E. Transwestern Pipeline Company Contract #388

Dated: February 22, 1961

FPC Temp Cert.

Issued: May 12, 1961

First Delivery: Aug. 9, 1961

F. Oil Conservation Commission of The State of New Mexico

Request for hearing: July 20, 1961

Hearing:

August 9, 1961

Order of the Commission; Order #R-2051 Case #2355 - August 29, 1961

G. Production

HLB, Jr. & CEG

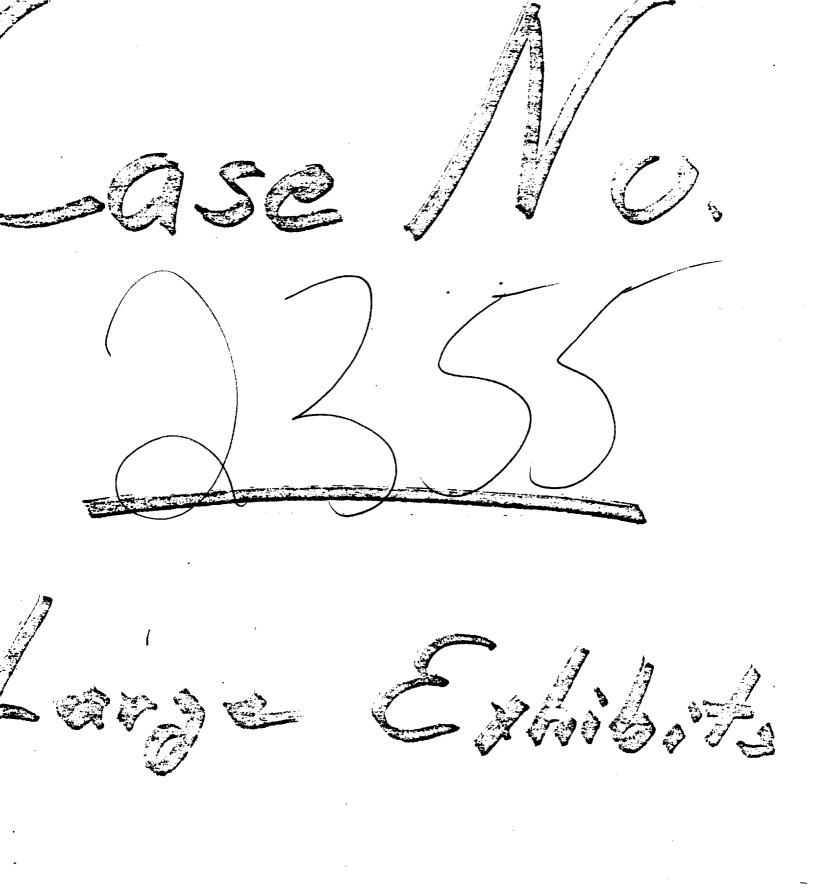
#1-A Federal - Never connected

#5 Federal - Never Connected

#1 Federal - Connected 8/9/61

#### Gas Delivery to Transwestern

|                | MCF    |  |
|----------------|--------|--|
| August 1961    | 6,458  |  |
| September 1961 | 2,750  |  |
| October 1961   | 1,838  |  |
| November 1961  | 8,162  |  |
| December 1961  | 4,897  |  |
| January 1962   | 6,637  |  |
| February 1962  | 12,019 |  |
| March 1962     | 7,212  |  |
| April 1962     | 2,043  |  |
| May 1962       | 3, 166 |  |
| June 1962      | 2,861  |  |
| July 1962      | 7,314  |  |
|                | 65,357 |  |



# **Insert**

# Color Page/Photo

Here

# LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

#### PADILLA & SNYDER

ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523

ERNEST L. PADILLA MARY JO SNYDER SANTA FE, NEW MEXICO 87504-2523

FAX 988-7592 AREA CODE 505

(505) 988-7577

August 11, 1988

Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

ATTN.: MICHAEL STOGNER
Petroleum Engineer

Re: Case No. 2355 (Reopened); Order No. R-2051-D

Dear Mr. Stogner:

Enclosed please find our draft of Nunc Pro Tunc Order to clarify the Order as originally drafted. You may recall our recent telephone conversation wherein we discussed the applicability of pertinent portions of statewide Rule 104 on how the original might be construed to provide for 160-acre spacing.

Should you have any questions, please let me know.

Ernest L. Padilla

ELP:crk

Enclosure as stated

cc: H. L. Brown, Jr.
Attn.: Jim Shawl
W/Encl.

(AND NATURAL RESOURCES

# STATE OF NEW MEXICO ENERGY MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 2355 (Reopened) Order No. R-2051-D-/

IN THE MATTER OF CASE 2355
BEING REOPENED ON THE MOTION
OF THE OIL CONSERVATION DIVISION
AND PURSUANT TO THE PROVISIONS OF
ORDER NO. R-2051, AS AMENDED,
WHICH ORDER PROMULGATED TEMPORARY
SPECIAL RULES AND REGULATIONS FOR THE
BLUITT-WOLFCAMP GAS POOL IN ROOSEVELT
COUNTY, NEW MEXICO, INCLUDING A
PROVISION FOR 320-ACRE SPACING UNITS.

#### NUNC PRO TUNC ORDER

#### BY THE DIVISION:

It appearing to the Division that Order No. R-2051-D, dated July 29, 1988, does not state the intended order of the Division,

#### IT IS THEREFORE ORDERED THAT:

- (1) Finding Paragraph No. (13) on page 2 of the Division Order No. R-2051-D is hereby to read in its entirety as follows:
  - "(13) In order to prevent the economic loss caused by drilling an excessive number of wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, and to otherwise prevent waste and protect correlative rights the Temporary Special Rules and Regulations for the Bluitt-Wolfcamp Gas Pool should be rescinded and said pool should be governed by the Statewide Rules for gas pools in the State, as they apply to 320-acre spacing as promulgated by Order R-5113, effective November 1, 1975."

Decretory

(2) Paragraph No. (1) on pages 2 and 3 of said Order No. R-2051-D is hereby corrected to read in its entirety as follows:

"(1) Effective November 1, 1975, the
Temporary Special Rules and Regulations for the
Bluitt-Wolfcamp Gas Pool, promulgated by Order No.
R-2051, as amended, are hereby rescinded and
pool is placed under the 320-acre spacing
Statewide Rules for gas pools in the state state of the state of the

nunc pro tunc as of July 29, 1988.

DONE at Santa Fe. New Mexico. on this day of

DONE at Santa Fe, New Mexico, on this \_\_\_\_ day of August, 1988.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

November 1, 1975

William J. LeMay Director

SEAL

#### STATE OF NEW MEXICO

#### ENERGY AND MINERALS DEPARTMENT





GARREY CARRUTHERS
GOVERNOR

August 24, 1988

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501 (505) 827-5800

| Mr. Ernest L. Padilla<br>Padilla & Snyder            | Re:           | CASE NO. 2355<br>ORDER NO.R-2051-D-1 |
|--|---------------|--------------------------------------|
| Attorneysaat Law                                     |               |                                      |
| Post Office Low 2523<br>Santa Fe, New Mexico         |               | Applicant:                           |
|  |               | OCD (H. L. Brown, Jr.)               |
| Dear Sir:  |               |                                      |
| Enclosed herewith are two Division order recently en |               |                                      |
| Sincerely,   |               |                                      |
| Florene Davidso                                      | <b>&gt;</b> - |                                      |
| FLORENE DAVIDSON<br>OC Staff Specialist              |               |                                      |
| To built becoming                                    |               |                                      |
|  |               |                                      |
|  |               |                                      |
|  |               |                                      |
|  |               |                                      |
|  |               |                                      |
|  |               |                                      |
| Copy of order also sent to                           | :             |                                      |
| Hobbs OCD x Artesia OCD x                            |               |                                      |
| Artesia OCDX Aztec OCD                               |               |                                      |
|  |               |                                      |
| Other  |               |                                      |

#### PADILLA & SNYDER

ATTORNEYS AT LAW

200 W. MARCY, SUITE 212

P.O. BOX 2523

SANTA FE, NEW MEXICO 87504-2523

ERNEST L. PADILLA MARY JO SNYDER

----

FAX 988-7592 AREA CODE 505

(505) 988-7577

August 11, 1988

Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87504

ATTN.: MICHAEL STOGNER
Petroleum Engineer

Re: Case No. 2355 (Reopened); Order No. R-2051-D

Dear Mr. Stogner:

Enclosed please find our draft of Nunc Pro Tunc Order to clarify the Order as originally drafted. You may recall our recent telephone conversation wherein we discussed the applicability of pertinent portions of statewide Rule 104 on how the original might be construed to provide for 160-acre spacing.

Should you have any questions, please let me know.

Ernest L. Padilla

ELP:crk

Enclosure as stated

cc: H. L. Brown, Jr. Attn.: Jim Shawl W/Encl.

# STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

CASE NO. 2355 (Reopened)
Order No. R-2051-D-1

IN THE MATTER OF CASE 2355
BEING REOPENED ON THE MOTION
OF THE OIL CONSERVATION DIVISION
AND PURSUANT TO THE PROVISIONS OF
ORDER NO. R-2051, AS AMENDED,
WHICH ORDER PROMULGATED TEMPORARY
SPECIAL RULES AND REGULATIONS FOR THE
BLUITT-WOLFCAMP GAS POOL IN ROOSEVELT
COUNTY, NEW MEXICO, INCLUDING A
PROVISION FOR 320-ACRE SPACING UNITS.

#### NUNC PRO TUNC ORDER

#### BY THE DIVISION:

It appearing to the Division that Order No. R-2051-D, dated July 29, 1988, does not clearly and explicitly state the intended order of the Division,

#### IT IS THEREFORE ORDERED THAT:

- (1) Finding Paragraph No. (13) on page 2 of Division Order No. R-2051-D is hereby amended to read in its entirety as follows:
  - "(13) In order to prevent the economic loss caused by drilling an excessive number of wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, and to otherwise prevent waste and protect correlative rights the Temporary Special Rules and Regulations for the Bluitt-Wolfcamp Gas Pool should be rescinded and said pool should be governed by the Statewide Rules for gas pools in the State, as they apply to 320-acre spacing as promulgated by Order No. R-5113, made effective November 1, 1975."
- (2) Decretory Paragraph No. (1) on pages 2 and 3 of said Order No. R-2051-D is hereby corrected to read in its entirety as follows:
  - "(1) Effective November 1, 1975, the Temporary Special Rules and Regulations for the Bluitt-Wolfcamp Gas Pool, promulgated by Order No. R-2051, as amended, are hereby rescinded and said pool is placed under

-2Case No. 2355 (Reopened)
Order No. R-2051-D-1

Statewide Rules for gas pools in the state, as they apply to 320-acre spacing as promulgated by Division Order No. R-5113, made effective November 1, 1975."

(3) The amendments set forth in this order be entered nunc pro tunc as of July 29, 1988.

DONE at Santa Fe, New Mexico, on this 23rd day of August, 1988.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY Director

#### STATE OF NEW MEXICO



#### ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

August 1, 1988

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 97501 (505) 827-5800

| Mr. Ernest L. Padilla Re: CASE NO2355 (Reopened) Padilla & Snyder Attorneys at Law P. O. Box 2523 Applicant: Santa Fe, New Mexico OCD (H. L. Brown, Jr.)  Dear Sir:  Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.  Sincerely,  Horma Lawdon Florene Davidson OC Staff Specialist  Copy of order also sent to:  Hobbs OCD x Artesia OCD x Aztec OCD Other  Ocher |  | 1              |   |
|--|--|----------------|---|
| Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.  Sincerely,  Florene Llavidson  FLORENE DAVIDSON  OC Staff Specialist  Copy of order also sent to:  Hobbs OCD x  Artesia OCD x  Aztec OCD Aztec  | Padilla & Snyder<br>Attorneys at Law<br>P. O. Box 2523         | Re:            | Applicant:                                  |
| Division order recently entered in the subject case.  Sincerely,  Florene Lawidson  FLORENE DAVIDSON  OC Staff Specialist  Copy of order also sent to:  Hobbs OCDx  Artesia OCDx  Aztec OCD  | Dear Sir:  |                |   |
| FLORENE DAVIDSON OC Staff Specialist  Copy of order also sent to:  Hobbs OCD x Artesia OCD x Aztec OCD x   | Enclosed herewith are two cop<br>Division order recently enter | ies o<br>ed in | f the above-referenced<br>the subject case. |
| Copy of order also sent to:  Hobbs OCD x Artesia OCD x Aztec OCD   | Sincerely,   |                |   |
| Copy of order also sent to:  Hobbs OCD x Artesia OCD x Aztec OCD x   | Florene Davidson   |                |   |
| Hobbs OCD x Artesia OCD x Aztec OCD  |  |                |   |
| Hobbs OCD x Artesia OCD x Aztec OCD  |  |                |   |
| Hobbs OCD x Artesia OCD x Aztec OCD  |  |                |   |
| Hobbs OCD x Artesia OCD x Aztec OCD  |  |                |   |
| Hobbs OCD x Artesia OCD x Aztec OCD  |  |                |   |
| Hobbs OCD x Artesia OCD x Aztec OCD  |  |                |   |
| Artesia OCD x Aztec OCD  | Copy of order also sent to:                                    |                |   |
| Other  | Artesia OCD x  |                |   |
|  | Other  |                |   |
|  |  |                |   |

# STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE No. 2355 (Reopened) ORDER NO. R-2051-D

IN THE MATTER OF CASE 2355 BEING REOPENED ON THE MOTION OF THE OIL CONSERVATION DIVISION AND PURSUANT TO THE PROVISIONS OF ORDER NO. R-2051, AS AMENDED, WHICH ORDER PROMULGATED TEMPORARY SPECIAL RULES AND REGULATIONS FOR THE BLUITT-WOLFCAMP GAS POOL IN ROOSEVELT COUNTY, NEW MEXICO, INCLUDING A PROVISION FOR 320-ACRE SPACING UNITS.

#### ORDER OF THE DIVISION

#### BY THE DIVISION:

This cause came on for hearing at 8:00 a.m. on August 28, 1985, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 29th day of July, 1988, the Division Director, having considered the testimony, the record and the recommendations of the Examiner, and being fully advised in the premises.

#### FINDS THAT:

- (1) Due public notice having been given as required by law, the **Division** has jurisdiction of this cause and the subject matter thereof.
- (2) By Order No. R-5113, made effective November 1, 1975, Rules 104 B.I.(a) and 104 C.II(a) of the Division's Statewide Rules and Regulations were amended to establish 320-acre spacing and well location requirements for the Wolfcamp formation in Southeastern New Mexico.
- (3) Prior to November 1, 1975 spacing in the Wolfcamp formation was on 160 acres, unless otherwise provided for by Special Pool Rules.
- (4) By Order No. R-2051, dated August 29, 1961, the Oil Conservation Commission created, defined, and promulgated temporary special rules and regulations for the Bluitt-Wolfcamp Gas Pool in Roosevelt County, New Mexico, including a provision for 320-acre gas spacing and proration units.

Case No. 2355 (Reopened) Order No. R-2051-D Page No. 2

- (5) By Order Nos. R-2051-A and R-2051-B, said temporary rules were continued in full force and effect until September 1, 1964.
- (6) By Order No. R-2051-C, dated August 11, 1964, based on a finding that only one well had been connected in the subject pool since 1961, the Commission again continued the temporary status for said Special Pool Rules until six months after a second well in the pool was connected to a pipeline.
- (7) In November 1964, the H.L. Brown, Jr. Federal "A" No. 1 located 990 feet from the South and East lines (Unit P) of Section 33, Township 7 South, Range 37 East, NMPM, Roosevelt County, New Mexico, was the second well to be connected to a gas pipeline in the pool.
- (8) Subsequent to this connection, the operator failed in its obligation to abide by the provisions of R-2051-C.
- (9) This error was not found by the Division until mid-1985 whereby this case was reopened to allow the operators in the subject pool to appear and show cause why the subject pool should not be developed on 160-acre spacing.
- (10) At the time of the August 28, 1985 hearing the subject pool had been developed by 14 wells (including the two original wells) and spaced on 320 acre gas proration units.
- (11) A representative for H.L. Brown, Jr., an applicant in original Case No. 2355, appeared at the hearing and presented evidence and testimony in support of the continuation of 320-acre spacing for the subject pool.
- (12) The evidence presented established that one well in the subject pool can efficiently and economically drain and develop 320 acres.
- (13) In order to prevent the economic loss caused by drilling an excessive number of wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells and to otherwise prevent waste and protect correlative rights the Temporary Special Rules and Regulations for the Bluitt-Wolfcamp Gas Pool should be rescinded and said pool should be governed by the Statewide Rules for gas pools in the State, effective November 1, 1975.

#### IT IS THEREFORE ORDERED THAT:

(1) Effective November 1, 1975, the Temporary Special Rules and Regulations for the Bluitt-Wolfcamp Gas Pool, promulgated by

Case No. 2355 (Reopened) Order No. R-2051-D Page No. 3

Order No. R-2051, as amended, are hereby rescinded and the pool is placed under the Statewide Rules for gas pools in the state.

(2) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove

desi

STATE OF NEW MEXICO
OIL CONSERVATION

WILLIAM J. LEMAY Director

| ######################################  | FOREST, TO ONE ILL. JR.  SPIZZAZZEE GAS. PRUGGING APPROPEDED  BANGA PRIVER POLICIANI, COASTABANDONEDE  ARTHUR POLICIANI, COASTABANDONEDE  BANGA PROPERTY COMP.  BANGA PROPERTY SERVICENT.  BANGA PROPERTY SERVICENT.  BANGA PROPERTY SERVICENT. | COMPANY OF THE PROPERTY OF THE  | EARTH SERVISION COMM. A 1941 2793  STATE OFFICE AND COMM. A 1941 2793  STATE OFFI AND COMM. A 1941 2 | THE STATE OF THE S | ######################################   | AGLET HOLFCAPE (GAS)  AGREGO (1989) 19 FDDERAL  10121332 GAS  ATTER LAKES HOLFCAPE (CAS) |
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## BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING.
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2355 Order No. R-2051

APPLICATION OF H. L. BROWN, JR.
AND CLEM E. GEORGE FOR ESTABLISHMENT OF SPECIAL RULES AND REGULATIONS FOR THE BLUITT-WOLFCAMP GAS
POOL, ROOSEVELT COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 9, 1961, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 29th day of August, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

#### FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicants, H. L. Brown, Jr. and Clem E. George, seek the establishment of Special Rules and Regulations in the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico, including a provision for 320-acre units in said pool.
- (3) That the evidence available at this time indicates that it may be uneconomical to drill wells in said pool on 160-acre units.
- (4) That development of the subject pool will be encouraged by development on 320-acre units.
- (5) That this case should be reopened in August, 1962, at which time the applicants should be permitted to appear, and, by pressure interference tests or such other tests as may be conducted, show cause why the subject pool should not be developed on 160-acre units.

#### IT IS THEREFORE ORDERED:

(1) That Temporary Special Rules and Regulations for the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico, are hereby promulgated as follows:

#### SPECIAL RULES AND REGULATIONS FOR THE BLUITT-WOLFCAMP GAS POOL

- RULE 1. Each well completed or recompleted in the Wolfcamp formation within one mile of the boundary of the Bluitt-Wolfcamp Gas Pool and not nearer to nor within the boundaries of another designated Wolfcamp gas pool, shall be drilled, spaced, and produced in accordance with the special rules and regulations hereinafter set forth.
- RULE 2. (a) Each well completed or recompleted in the Bluitt-Wolfcamp Gas Pool shall be located on a tract consisting of approximately 320 acres comprising any two contiguous quarter sections of a single governmental section, being a legal subdivision (half section) of the United States Public Lands Survey. For purposes of these rules, a unit consisting of between 316 and 324 surface contiguous acres shall be considered a standard unit.
- (b) The Secretary-Director shall have authority to grant an exception to Rule 2 (a) without notice and hearing where an application has been filed in due form and where the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Lands Survey, or where the following facts exist and the following provisions are complied with:
- (1) The non-standard unit consists of contiguous quarter-quarter sections or lots.
- (2) The non-standard unit lies wholly within a single governmental section.
- (3) The entire non-standard unit may reasonably be presumed to be productive of gas from the Bluitt-Wolfcamp Gas Pool.
- (4) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the section in which any part of the non-standard unit is situated and which acreage is not included in said non-standard unit.
- (5) In lieu of Paragraph 4 of this Rule, the applicant may furnish proof of the fact that all of the aforesaid

-3-CASE No. 2355 Order No. R-2051

operators were notified by registered mail of his intent to form such non-standard unit. The Secretary-Director may approve the application if, after a period of 30 days, no such operator has entered an objection to the formation of such non-standard unit.

- RULE 3. (a) Each well completed or recompleted in the Bluitt-Wolfcamp Gas Pool shall be located no nearer than 990 feet to the outer boundary of the quarter section nor nearer than 330 feet to any governmental quarter-quarter section line.
- (b) The Secretary-Director shall have authority to grant exceptions to Rule 3 (a) without notice and hearing where an application therefor has been filed in due form and the necessity for the unorthodox location is based on topographical conditions or is occasioned by the recompletion of a well previously drilled to another horizon.

Applicants shall furnish all offset operators and all operators within the section in which the subject well is located a copy of the application to the Commission and shall stipulate to the Commission that proper notice has been furnished to all such operators. The Secretary-Director may approve the application if, after a period of 20 days, no offset operator has entered an objection to the proposed unorthodox location.

(2) That this case shall be reopened in August, 1962, at which time the applicants may appear and show cause why the subject pool should not be developed on 160-acre units.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

SEAL

A. L. PORTER, Jr., Member & Secretary

# BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 2355 Order No. R-2051-A

APPLICATION OF H. L. BROWN, JR. AND CLEM E. GEORGE FOR ESTABLISH-MENT OF SPECIAL RULES AND REGULATIONS FOR THE BLUITT-WOLFCAMP GAS POOL, ROOSEVELT COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 29, 1962, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 4th., day of September, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

#### FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That by Order No. R-2051, entered in Case No. 2355 on August 29, 1961, temporary Special Rules and Regulations were promulgated for the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico.
- (3) That this case was reopened pursuant to Order No. R-2051 to allow the applicants to show cause why the subject pool should not be developed on 160-acre units.
- (4) That the evidence establishes that it will be uneconomical to drill wells in the subject pool on 160-acre units in the immediate future.
- (5) That the evidence establishes that continued development of the subject pool will be encouraged by development on 320-acre units and that such development will not cause waste or impair correlative rights.

- (6) That the evidence is insufficient to justify more than a temporary extension of Order No. R-2051.
- (7) That Order No. R-2051-A should continue in full force and effect and that this case should be reopened in August, 1963, at which time the applicants should be permitted to appear, and, by pressure interference tests or such other tests as may be conducted, show cause why the subject pool should not be developed on 160-acre units.

#### IT IS THEREFORE ORDERED:

- (1) That the temporary Special Rules and Regulations for the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico, promulgated by Order No. R-2051 shall remain in full force and effect until September 1, 1963.
- (2) That this case shall be reopened in August, 1963, at which time the applicants may appear and show cause why the subject pool should not be developed on 160-acre units.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

Elmalar

E.S. WALKER, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

## BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE No. 2355 (Reopened)
Order No. R-2051-B

APPLICATION OF H. L. BROWN, JR. AND CLEM E. GEORGE FOR ESTABLISH-MENT OF SPECIAL RULES AND REGULATIONS FOR THE BLUITT-WOLFCAMP GAS POOL, ROOSEVELT COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 21, 1963, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 29th day of August, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

#### FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That by Order No. R-2051 entered in Case 2355 on August 29, 1961, temporary special rules and regulations were promulgated for the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico.
- (3) That by Order No. R-2051-A entered September 4, 1962, said temporary rules were extended until September 1, 1963.
- (4) That this case was reopened pursuant to Order No. R-2051-A to allow the applicants to show cause why the subject pool should not be developed on 160-acre units.
- (5) That the evidence in this hearing and in the previous hearings establishes that it will be uneconomical to drill wells in the subject pool on 160-acre units in the immediate future.

-2-CASE No. 2355 (Reopened) Order No. R-2051-B

and that continued development of the subject pool will be encouraged by development on 320-acre units and that such development will not cause waste nor impair correlative rights.

- (6) That the evidence is insufficient to justify more than a further temporary extension of Order No. R-2051.
- (7) That Order No. R-2051-B should continue in full force and effect and that this case should be reopened in August, 1964, at which time the applicants should be permitted to appear and, by pressure interference tests or other tests as may be conducted, show cause why the subject pool should not be developed on 160-acre units.

#### IT IS THEREFORE ORDERED:

- (1) That the temporary special rules and regulations for the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico, promulgated by Order No. R-2051 shall remain in full force and effect until September 1, 1964.
- (2) That this case shall be reopened in August, 1964, at which time the applicants may appear and show cause why the subject pool should not be developed on 160-acre units.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

- E. S. WALKER, Member
- A. L. PORTER, Jr., Member & Secretary

#### BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE No. 2355 Order No. R-2051-C

APPLICATION OF H. L. BROWN, JR.
AND CLEM E. GEORGE FOR ESTABLISHMENT OF SPECIAL RULES AND REGULATIONS FOR THE BLUITT-WOLFCAMP GAS
POOL, ROOSEVELT COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 5, 1964, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 11th day of August, 1964, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises.

#### FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That by Order No. R-2051, dated August 29, 1961, temporary Special Rules and Regulations were promulgated for the Bluitt-Wolfcamp Gas Pool, Roosevelt County, New Mexico.
- (3) That by Orders No. R-2051-A and R-2051-B, said temporary rules were continued in full force and effect until September 1, 1964.
- (4) That pursuant to the provisions of Order No. R-2051-B, this case was reopened to allow the operators in the subject pool to appear and show cause why the Bluitt-Wolfcamp Gas Pool should not be developed on 160-acre units.

- (5) That in 1961 one well in the subject pool was connected to a pipeline and that no additional wells have subsequently been connected.
- (6) That the operators in the subject pool will not be able to gather sufficient reservoir information to establish the area that can be efficiently and economically drained and developed by one well until additional wells have been connected to a pipeline.
- (7) That the temporary Special Rules and Regulations promulgated by Order No. R-2051 should remain in full force and effect until six months after the next pipeline connection in order to allow the operators in the pool to gather additional reservoir information.
- (8) That the operator of the next well connected to a pipeline in the Bluitt-Wolfcamp Gas Pool should notify the Commission in writing of such fact, and that the Commission should thereupon issue a supplemental order designating an exact date for reopening this case.

#### IT IS THEREFORE ORDERED:

- (1) That the Special Rules and Regulations governing the Bluitt-Wolfcamp Gas Pool promulgated by Order No. R-2051 are hereby continued in full force and effect until six months after the next pipeline connection in said pool.
- (2) That the operator of the next well connected to a pipeline in the Bluitt-Wolfcamp Gas Pool shall notify the Commission in writing of such fact and that the Commission will thereupon issue a supplemental order designating an exact date for reopening this case.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

BZAL

E. S. WALKER, Member

#### BLUITT-WOLFCAMP GAS POOL Roosevelt County, New Mexico

Order No. R-1611, February 26, 1960, Establishing Pool, as Amended by Order No. R-2119, December 1, 1961; Order No. R-3681, March 1, 1969, Order No. R-5063, July 1, 1975; Order No. R-5215, June 1, 1976; Order No. R-5456, July 1, 1977; Order No. R-5626, February 1, 1978; Order No. R-6211, January 1, 1980; Order No. R-6211, Indianary 1, Indianary 1, Indianary 1, Ind No. R-6838, December 1, 1981; Order No. R-7193, February 1, 1983.

[-7-S, R-37-E W/2 Sec. 27; E/2 Sec. 28; E/2 Sec. 32; Sec. 33; NW/4, SE/4 Sec. 34. T-8-S, R-37-E E/2 Sec. 3; Sec. 4; E/2 Sec. 5; N/2 Sec. 9; E/2, SW/4 Sec. 10; NW/4 Sec. 11.

#### BUFFALO VALLEY-SAN ANDRES POOL Chaves County, New Mexico

Order No. R-1611, February 26, 1960, Establishing Pool.

Pool abolished by Order No. R-1681, May 20, 1960.

#### CORBIN-ABO POOL Lea County, New Mexico

Order No. R-1611, February 26, 1960, Establishing Pool, as Amended by Order No. R-1749, August 18, 1960; Order No. R-1840, January 1, 1961; Order No. R-1878, March 1, 1961; Order No. R-2101, November 1, 1961; Order No. R-2292, August 1, 1962; Order No. R-2338, November 1, 1962; Order No. R-2393, January 1, 1963; Order No. R-2469, May 1, 1963; Order No. R-4995, May 1, 1975; Order No. R-5063, July 1, 1975; Order No. R-5215, June 1, 1976.

T-17-S, R-32-E SE/4 Sec. 26; NE/4 Sec. 35; N/2 Sec. 36. T-17-S, R-33-E N/2 Sec. 31; N/2, SE/4 Sec. 32; Sec. 33; W/2, SE/4 Sec. 34; S/2 Sec. 35. T-18-S, R-33-E NW/4 Sec. 1; N/2 Sec. 2.

# NORTH HACKBERRY YATES-SEVEN RIVERS POOL (Formerly North Hackberry-Yates Pool) Eddy County, New Mexico

Order No. R-1611, February 26, 1960, Establishing Pool, as Amended by Order No. R-1652, April 19, 1960; Order No. R-1720, July 15, 1960; Order No. R-1772, September 16, 1960; Order No. R-1999, July 1, 1961; Order No. R-2119, December 1, 1961; Order No. R-2172, February 1, 1962; Order No. R-2201, April 1, 1962; Order No. R-2292, August 1, 1962; Order No. R-2313, October 1, 1962; Order No. R-2363, December 1, 1962; Order No. R-2427, March 1, 1963; Order No. R-2552, September 1, 1963; Order No. R-2651, March 1, 1964; Order No. R-2692, May 1, 1964; Order No. R-2870, March 1, 1965; Order No. R-2985, November 1, 1965; Order No. R-3438, July 1, 1968; Order No. R-7785, February 1, 1985.

T-19-S, R-30-E E/2 Sec. 23; W/2, SE/4, S/2 NE/4 Sec. 24; E/2 Sec. 25; E/2 Sec. 36.
T-19-S, R-31-E SW/4, SE/4 NW/4 Sec. 17; S/2 Sec. 19; W/2 SE/4 Sec. 20; N/2, SW/4 Sec. 21; NW/4 NW/4 Sec. 28; NW/4, N/2 & SE/4 NE/4, N/2 & SW/4 SW/4 Sec. 29; Sec. 30; NW/4 NW/4 Sec. 31; N/2 N/2 Sec. 32.

#### NORTH SQUARE LAKE GRAYBURG-SAN ANDRES POOL Eddy and Lea Counties, New Mexico

Order No. R-1611, February 26, 1960, Establishing Pool, as Amended by Order No. R-1749, August 18, 1960; Order No. R-1824, November 21, 1960; Order No. R-2034, August 1, 1961; Order No. R-2062, October 1, 1961; Order No. R-2119, December 1, 1961; Order No. R-2172, February 1, 1962; Order No. R-2201, April 1, 1962; Order No. R-2292, August 1, 1962; Order No. R-2410, February 1, 1963; Order No. R-2620, January 1, 1964; Order No. R-7334, September 1, 1983; Order No. R-7351, October 1, 1983; Order No. R-7555, July 1, 1984; Order No. R-7708, November 1, 1984; Order No. R-7758, January 1, 1985.

T-16-S, R-31-E SW/4 Sec. 2; S/2 Sec. 3; N/2 & SW/4 SE/4, Lot 24, SW/4 Sec. 4; Lots 13, 14, S/2 Sec. 5; Lots 9, 10, 15, 16, S/2 Sec. 6; N/2 Sec. 8; Secs. 9, 10, 11; NW/4 Sec. 14; NE/4 Sec. 15.

#### WEST TEAS YATES-SEVEN RIVERS POOL Lea County, New Mexico

Order No. R-1586, January 27, 1960, Establishing Pool, as Amended by Order No. R-1681, May 20, 1960; Order No. R-1907, April 1, 1961; Order No. R-2578, November 1, 1963; Order No. R-2857, February 1, 1965.

T-20-S, R-33-E S/2 SW/4 Sec. 9; W/2, SE/4, W/2 NE/4 Sec.

WEST TURKEY TRACK POOL (SEVEN RIVERS) (Abandoned) Eddy County, New Mexico

Order No. R-93, September 20, 1951, Establishing Pool.

T-19-S, R-29-E SW/4 NE/4, SE/4 NW/4, NE/4 SW/4, NW/4 SE/4 Sec. 5.

#### II. San Juan, Rio Arriba, and Sandoval Counties

#### (a) Wildcat Gas Wells

In San Juan, Rio Arriba, and Sandoval Counties, a wildcat well which is projected to a gas-producing horizon shall be located on a designated drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter section, being a legal subdivision of the U.S. Public Land Surveys, and shall be located not closer than 790 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section or subdivision inner boundary.

In the event oil production is encountered in a well which was projected to a gas-producing horizon and which is located accordingly but does not conform to the oil well location rule below, it shall be necessary for the operator to bring the matter to a hearing before approval for the production of oil can be given.

#### (b) Wildcat Oil Wells

A wildcat well which is projected to an oil-producing horizon as recognized by the Division shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of square which is a legal subdivision of the U.S. Public Land Surveys, or on a governmental quarter-quarter section or lot, and shall be located not closer than 330 feet to any boundary of such tract.

In the event gas production is encountered in a well which was projected to an oil-producing horizon and which is located accordingly but does not conform to the above gas well location rules, it shall be necessary for the operator to bring the matter to a hearing before approval for the production of gas can be given.

#### III. All counties except Lea, Chaves, Eddy, Roosevelt, San Juan, Rio Arriba, and Sandoval

Any wildcat well which is projected as an oil well in any county other than Lea, Chaves, Eddy, Roosevelt, San Juan, Rio Arriba, and Sandoval shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of a square which is a legal subdivision of the U. S. Public Land Surveys, or on a governmental quarter-quarter section or lot and shall be located not closer than 330 feet to any boundary of such tract.

Any wildcat well which is projected as a gas well to a formation and in an area which, in the opinion of the Division representative approving the application to drill, may reasonably be presumed to be productive of gas rather than oil shall be located on a drilling tract consisting of 160 surface contiguous ares, more or less, substantially in the form of a square which is a quarter section, being a legal subdivision of the U. S. Public Land Surveys, and shall be located not closer than 660 feet to any other boundary of such tract nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary.

#### C. ACREAGE AND WELL LOCATION REQUIREMENTS FOR DEVELOPMENT WELLS

X

#### . 011 Wells, All Counties

Unless otherwise provided in special pool rules, each development well for a defined oil pool shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of square which is a legal subdivision of the U.S. Public Land Surveys, or on a governmental quarter-quarter section or lot, and shall be located not closer than 330 feet to any boundary of such tract nor closer than 330 feet to the nearest well drilling to or capable of producing from the same pool, provided however, only tracts committed to active secondary recovery projects shall be permitted more than four wells.

#### II. Gas Wells

#### (a) Lea, Chaves, Eddy, and Roosevelt Counties

Unless otherwise provided in special pool rules, each development well for a defined gas pool in a formation younger than the Wolfcamp formation, or in the Wolfcamp formation which was created and defined by the Division prior to November 1, 1975, or in a Pennsylvanian age or older formation which was created and defined by the Division prior to June 1, 1964, shall be located on a designated drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter section being a legal subdivision of the U.S. Public Land Surveys, and shall be located not closer than 660 feet to any outer boundary of such tract nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary nor closer than 1320 feet to the nearest well drilling to or capable of producing from the same pool.

Unless otherwise provided in the special pool rules, each development well for a defined gas pool in the Wolfcamp formation which was created and defined by the Division after November 1, 1975, or of Pennsylvanian age or older which was created and defined by the Division after June 1, 1964, shall be located on a designated drilling tract consisting of 320 surface contiguous acres, more or less, comprising any two contiguous quarter sections of a single governmental section, being a legal subdivision of the U.S. Public Land Surveys. Any such well having more than 160 acres dedicated to it shall be located not closer than 660 feet to the nearest side boundary of the dedicated tract nor closer than 1980 feet to the nearest end boundary nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary. (For the purpose of this rule, "side" boundary and "end" boundary are as defined in Section B I(a) of this rule.)

|   |                       |                         | F E8                       | MAR                | APRIL                                | MAY  | JUNE                                       | JULY                             | AUG                                    | SEPT                                      | OCT                 | MOY                 | *******             | 984 PROD                                | MP AC    |
|---|-----------------------|-------------------------|----------------------------|--------------------|--------------------------------------|--|--|----------------------------------|--|---|---------------------|---------------------|---------------------|---|----------|
| STATE 58<br>1H1524527E                        |                       | 3526                    | 1954                       | 271                | 132                                  | 16   | 896<br>1                                   | 214<br>1                         | 542                                    | 714                                       | 1172                |                     |                     | 8269T<br>1175                           | 195      |
| COMPANY TOTAL                                 |                       | 17919                   | 10 84 1                    | 5953               | 503 }                                | 692  | 6092                                       | 6679                             | 5888                                   | 5864                                      | 1172                | 4120                | 4318                | 85003<br>1272                           | 443      |
| BLACK RIVER B                                 | INE SP                | RINGS N                 | E (GAS)                    | BS                 | SA T                                 | 0 6M                                       |  |                                  |  |   |                     |                     |                     |   |          |
| IHE DESANA CO<br>STATE AK<br>1K3 22 35 27E    | RP.                   |                         |                            |                    | *****                                | ******                                     | ******                                     | ******                           | *******                                | ******                                    |                     |                     |                     |   |          |
| BLA: K RIVER M                                |                       | 1 G4 S J                |                            | PH                 | 12M T                                | 0 13M                                      |  |                                  |  |   |                     |                     |                     |   |          |
| AHOCO PRODUCT<br>STATE MS GAS<br>ICI 2248 276 | ION CO                | ;                       |                            | 43769              | 97974                                | ******                                     | ********<br>9091 7                         | ********<br>372                  | • • • • • • • • • •                    | 1 <b>93</b> 19                            | 40451               | 22950               | 45364               | 366304                                  | 366      |
| 1612245276                                    | OIL<br>MAI            |                         |                            | 940                | 1960                                 | 5166<br>1800                               | 396  | 81                               | 61                                     | *   | 40451<br>32<br>66   | 78                  | 14                  | 5542                                    | ,,,,     |
| HNG DIL COMPA<br>LOVING 1 STAT<br>B 124527E   | NY<br>E<br>G45        | 78026                   | 95491                      | 100792             | 99015                                | *******<br>102045                          | 53832                                      | *******<br>5557Q                 | 48099                                  | 38466                                     | <b>a</b> 7233       | 63977               | 100390              | 922936                                  | 289      |
| 2N 124527E                                    | HAT<br>GAS            | 763                     | 32 177<br>270              | 32101<br>243       | 34454<br>300                         | 35 16 9<br>30 9                            | 487  | 21949<br>195                     | 382<br>66624<br>132                    | 15263<br>102                              | 794<br>32501<br>321 | 2129                | 24034               | 296707<br>296707                        | 390      |
| SMITH 10 COM<br>1G1024527E                    | HAT<br>GAŞ            | 6539<br>38              | 210                        | 243                | 30841<br>73                          | 28711<br>102                               | 4934                                       | 17505                            | 6333                                   | 29789                                     | 17841               | 15967               | 14130               | 165590                                  | 426      |
| 161824527E                                    | GAS                   | 5313                    | 1094                       |                    | 11442                                | 3098                                       | ••   | 7243                             | 4037                                   | 3747                                      | 6314                | 3536                | 5652                | 51516<br>34<br>52                       | 363      |
| COMPANY TOTAL                                 | 01 L                  | 9                       | 1 20 74 2                  | 132003             | 175719                               | 169025                                     | 58766                                      | 22<br>26<br>26<br>27<br>21<br>21 | 127093                                 | 704]]                                     | 3                   | 45609               | 144206              | 1436143                                 | 4084     |
| BLACK RIVER P                                 | GAS<br>WAT<br>FNW - 1 | 87878<br>018            | 128762<br>1217<br>BANDONED |                    | 175755<br>11M T                      |  | 504  | 712                              | 366                                    | ~477                                      | 143000              | 533                 | 946                 | 1045[                                   | ,        |
| JOSEPH I DONE                                 | *****                 |                         |                            | *******            |                                      |  |  | ******                           | ******                                 |   |                     |                     | •                   |   |          |
| 2P1224526E                                    | <u>ند د</u>           | PLUGG                   |                            | DVED 19:           | 76<br>10M T                          | 0 114                                      |  |                                  |  |   |                     |                     |                     |   | 173      |
| BLACK RIVER W<br>ANGCO PRODUCT                |                       |                         |                            |                    |                                      |  | ******                                     | ******                           |  |   |                     |                     |                     |   |          |
| AMUCO PRUDUCT<br>HERREN FEDERA<br>IK 724527E  | OIL<br>GAS            | ZONE                    | AB AN DONE                 | D                  |                                      |  |  |                                  |  |   |                     |                     |                     |   | 5        |
| BLULTT SAN AN                                 | ORE S.                | NORTH (                 |                            | SA                 | OM T                                 | 0 5M                                       |  |                                  |  |   |                     |                     |                     |   |          |
| BELNORTH PETR<br>HULLY 27 FEDE<br>1J27 7S37E  | OLEUM<br>KAL<br>GAS   | CORP.                   |                            |                    | *****                                | ******                                     | ******                                     | ******                           | *****                                  |   |                     |                     |                     | s                                       |          |
| LUITT #OLFCA                                  | MP (64                | S )                     |                            | <b>∍</b> C         | 8M T                                 | 0 9M                                       |  |                                  |  |   |                     |                     |                     |   |          |
| HEDERAL<br>FEDERAL<br>1K33 7S37E              | JR.<br>GAS            | 21413                   | 19096                      | 16204              | 18445                                | *******<br>17828                           | 16411                                      | 16133                            | ************************************** | 2698                                      | 10399               | 6305                | 17744               | 177715<br>2548                          | 5014     |
| FEDERAL A                                     | HAT.                  | 21413<br>399<br>59      | 19096<br>271<br>47         | 16204<br>217<br>43 | 273                                  | 237  | 20 9<br>5 1                                | 198                              | 15039<br>207<br>56                     | 48  | 123                 | 70                  | 17744<br>274<br>21  | 460                                     | 5014     |
| 1P33 7S37E                                    | OI4                   | 4631<br>89<br>108       | 4690<br>86<br>29           | 5305<br>78<br>108  | 6645<br>124<br>417                   | 5556<br>86<br>195                          | 6505<br>100<br>368                         | 6025<br>112<br>496               | 5012<br>68<br>214                      | 1192<br>24<br>3                           | 5383<br>87<br>155   | 5219<br>8           | 7128<br>362         | 63521<br>854<br>2483                    | 2060     |
| FEDERAL B                                     | GAS                   | 3919<br>72              | 3770<br>42<br>2            | 3430               | 3705<br>29                           | 3828<br>20<br>2                            | 3595<br>26<br>6                            | 3469<br>20                       | 3452<br>22                             | 1242                                      | 2195<br>28          | 3029<br>41          | 4980<br>22          | 40614<br>411<br>49                      | 69       |
| FEDERAL C<br>1C 4 8537E                       | GAS                   | 33325<br>352<br>20      | 32435<br>333<br>24         | 27178<br>305<br>12 | 32971<br>320<br>16                   | 33 82 4<br>30 3<br>2 4                     | 32314<br>275                               | 33578<br>277<br>19               | 32452<br>294<br>21                     | 4934<br>97                                | 20075<br>206<br>10  | 13298<br>261        | 33898<br>409<br>18  | 330 282<br>3432<br>191                  | 30 5     |
| FEDERAL D<br>IC 9 8537E                       | GAS                   | 6213<br>6213            | 5820                       | 5573<br>75         | 6163                                 | 6233<br>72<br>21                           | 5754                                       | 6195                             | 5817                                   | 1568<br>28                                | 3673                | 3629<br>50<br>5     | 6036                | 62874<br>852<br>145                     | 88       |
| FEDERAL E                                     | GAS                   | 8                       | 67<br>7<br>3702            | ' é<br>3349        | 75<br>10<br>3615                     |  | 100<br>17<br>3361                          | 76<br>22<br>3446                 | 72<br>14<br>3382                       | 769                                       | 14<br>14<br>1961    | 2817                | 15<br>2794          | -                                       | 590<br>1 |
| FEDERAL F                                     | OIL<br>WAT            | 4562<br>94<br>8         | 12                         | 14<br>1580         | 3615<br>79<br>8                      | 3585<br>65<br>8                            | 3361<br>74<br>16                           | 3446<br>73<br>14                 | 10                                     | 9   | 12<br>914           | 68<br>1410          | 1671                | 37343<br>784<br>113                     |          |
|   |                       | 1978                    | 1844<br>27                 | 18                 | 1647<br>35                           | 1562                                       | 1396<br>22<br>8                            | 1538<br>15                       | 1409                                   | 529<br>12<br>6                            | 914<br>30<br>8      | 1419<br>16<br>15    | 1671<br>41<br>6     | 17487<br>294<br>73                      | 31       |
| 10 3 8537E                                    | OIL                   | 21 08 1<br>434<br>23    | 19246<br>376<br>16         | 16948<br>351<br>14 | 2044.0<br>36.2<br>1.8                | 20927<br>349<br>26                         | 20250<br>335<br>20                         | 17866<br>333<br>20               | 20354<br>330<br>16                     | 3100<br>112<br>10                         | 11754<br>220<br>12  | 11929<br>319<br>11  | 21193<br>365<br>20  | 205128<br>3886<br>206                   | 138      |
| FEDERAL H<br>11 5 8537E                       | טונ כ                 | 9989<br>143<br>8        | 10 41 6<br>14 6            | 7997<br>84         | 10 29 5<br>12 1<br>12                | 9549<br>91<br>19                           | 8956<br>99<br>14                           | 8787<br>91<br>10                 | 7717<br>64<br>10                       | 3667<br>41                                | 6303<br>94<br>16    | 5006<br>75          | 100 18<br>168<br>10 | 98700<br>1217<br>114                    | 124      |
| FEDERAL J.                                    | UAS<br>OLL            | 11679<br>342<br>43      | 12984<br>357<br>45         | 9667<br>299<br>29  | 10177<br>307<br>22                   | 12337<br>340<br>28                         | 12290<br>296<br>48                         | 12369<br>301<br>48               | 11746<br>303<br>45                     | 1777<br>110                               | 6960<br>211<br>30   | 6242                | 11597<br>345<br>31  | 119820<br>3495<br>384                   | 93       |
| FEDERAL K<br>1034 7537E                       |                       |                         | 45<br>PROD. DA             |                    | 22                                   | 28   | 48   | 46                               | 45                                     | 11  | 30                  | •                   | 31                  |   | )        |
| W L PERKINS<br>1010 8537E                     | GAS<br>OIL<br>MAT     | 14630<br>57<br>2        | 13472<br>174<br>10         | 11486<br>141<br>10 | 14487<br>163<br>14                   | 13829<br>108<br>16                         | 13102<br>116                               | 13583<br>100<br>16               | 12931<br>109<br>14                     | 2860<br>47<br>2                           | 8606<br>93<br>12    | 8592<br>126         | 13855<br>171<br>14  | 141433<br>1405<br>128                   | 158      |
| COMPANY TOTAL                                 |                       |                         |                            |                    |                                      |  |  |                                  |  |   |                     |                     |                     |   | 1775     |
|   | MAI                   | 133590                  | 127475                     | 108757             | 128590<br>572                        | 12905 B<br>388                             | 123934                                     | 122989<br>710                    | 119371                                 | 24333                                     | 78423<br>299        | 61485<br>58         | 130914<br>527       | 1294917<br>4346                         | 1775     |
| LAYTON ENTERP<br>KIRKPATRICK F<br>BELL 85376  | EDERAI<br>GAS         | 1NC.<br>112<br>27<br>25 | 83<br>69<br>27             | 147<br>68<br>25    | 146<br>75<br>24                      | 149<br>72<br>25                            | 151<br>60<br>22                            | 164<br>65<br>20                  | 140<br>62<br>23                        | 111<br>22                                 | 106<br>64<br>20     | 130<br>60<br>19     | 89<br>54<br>18      | 1528<br>781<br>270                      |          |
|   |                       |                         |                            | 25                 | 24                                   | 25<br>******                               | 22<br>*******                              | 20<br>*******                    | 23<br>******                           | 22<br>******                              | 20                  | 19                  | 18                  | 270                                     |          |
| SUN EXPLORATE<br>BLUITT STATE<br>1132 7537E   | UAS                   | 4471<br>73<br>31        | 4163<br>58<br>28           | 3459<br>46<br>23   | 4477<br>69<br>30                     | 4434<br>71<br>31                           | 4254<br>69<br>30                           | 4080<br>56<br>29                 | 4405<br>60<br>29                       | 4249<br>69<br>30                          | 2152<br>25<br>15    | 2637<br>64<br>15    | 4512<br>63<br>14    | 47293<br>723<br>305                     | 127      |
| BOOTLEG RIDGE                                 |                       |                         |                            | PM                 | 14# T                                |  |  |                                  |  |   |                     | • • •               | - •                 |   |          |
| POGO PRODUCIA<br>FEDERAL EBR<br>1L17225336    | 16 EQ.                |                         |                            |                    | *****                                | ******                                     | ******                                     | ******                           | 4643                                   |   | 9420                | 9354                | D&TD                | 2602F                                   | 14       |
| MBR   | WAT                   | 66                      |                            |                    |                                      |  |  |                                  | 195                                    | 3956<br>67<br>21                          | 9420<br>80<br>31    | 9356                | 9560<br>87<br>15    | 36935<br>300<br>334                     | l6       |
| 1318225336                                    | WAI                   | 18678                   | 20624                      | 20249              | 19198<br>1190<br>30<br>41620<br>3017 | 19009<br>1151<br>62<br>44808<br>3119<br>60 | 17964<br>1045<br>60<br>43718<br>2898<br>60 | 10161                            | 17889<br>990<br>62                     | 14600<br>826<br>47<br>37827<br>2408<br>60 | 16220               | 14212<br>808<br>43  | 13596<br>772<br>45  | 210400<br>12762<br>474<br>501468<br>537 | 95       |
| ZF18225338                                    | SAS                   | 45589<br>3738           | 42626<br>3361              | *337               | 41620<br>3017<br>30                  | 44 80 8<br>3 1 1 9<br>60                   | 43716<br>2898<br>60                        | 44421<br>2895<br>62              | 42671<br>2732<br>70                    | 37827<br>2408<br>60                       | 41736<br>2647<br>62 | 39445<br>2440<br>60 | 33266<br>1717       | 501468<br>34345<br>537                  | 103      |
|   |                       |                         |                            |                    |                                      |  |  |                                  |  |   |                     |                     |                     |   |          |

|  |   |                                  |             |                        |                    |                | V                                |                                   | 0.0  | ADDIN T  |
|--|---|----------------------------------|-------------|------------------------|--------------------|----------------|----------------------------------|-----------------------------------|--|--|
| WELL SATARA JANA FEB.  | MAR. APRIL                                    | MAY JUNE                         | JULY        | AUG.                   | SEPT.              | ост.           | NOV.                             |                                   | -GAS 1964<br>-DIST. TOTALS                   | ACCUM. N<br>1-1-65                               |
| TLACA KIVER PENA<br>ON TEL DOSEPH I<br>FEDERAL CO<br>27127426  |   | ••                               |             |                        |                    |                |                                  | G                                 |  | 148871   |
| SHELL OTL CO<br>FECERAL SL<br>14 6 637   |   |                                  |             |                        |                    |                | 22703                            | 48137G                            | 70540G                                       | 70840  |
| BLUITT WOLFCAMP  |   |                                  |             |                        |                    |                |                                  |                                   |  |  |
| E L FROWN JR AND CLEM E<br>FROEFAL 737 57284 61052<br>1967 2013<br>FEDERAL 737                                 | GEORGE  | .•<br>596 65994<br>606 1422      | 15290       | 8 6 1 4<br>2 0 3       | 60785<br>1419      | 61587          | 38 25 3<br>86 5<br>661 4<br>16 7 | 548053<br>12689<br>8658G          | 6 21 05 2<br>1 6 1 3 0<br>1 5 2 7 2<br>4 1 5 | 819024<br>23973<br>15272<br>415                  |
| BOUGH SAN ANDMES   |   |                                  |             |                        |                    |                | 10,                              | 2454                              | •15  | 41:  |
| HOUSE HOUGH<br>RETEREOUGH<br>1M12 935<br>-UNULE 935<br>1U16 935  |   |                                  | 27108       | 53305                  | 24475              | 10876          |                                  | 150299                            |  | 140529   |
| AN AMERICAN PETROLEUM  |   |                                  | 5125)       | 37865                  | 4 H 4 G 5          | 21405          | 33278                            | 527986                            | 468754                                       | 4 5 2 7 5 4                                      |
| 2613 935<br>3613 935   | 67350 59219 59<br>48 9135 24                  | 1 3 4 3 6 0                      | 20253       | 370 e 8                | 32655              | 23296<br>5275  |                                  | 527986<br>457<br>193319<br>446955 | 237332                                       | 4 0 2 7 5 4<br>4 9 9<br>2 9 7 0 9 2<br>2 0 1 3 5 |
| ARATHON DIL CO<br>STATE<br>TIN 91936 1260 1220   |   | <br>455 1324                     | 1156        | 1 3 8 3                | 1 2 3 6            | 1 2 o e        | 1101                             | 10833                             | 15026  | 161346   |
| EUFFALC DENN<br>FAN AMERICAN PETROLEUM   | CORP  |                                  |             |                        |                    |                |                                  |                                   |  |  |
| FAN AMERICAN PETROLEUM<br>PUETALO UNIT<br>4H 41933 7955 14700<br>172 175                                       | 11241 4033 3                                  | 255 950                          | 1509        | 2 1 4 8<br>1 2         | 1365               | 3279           | 4208                             | 61363<br>58#                      | 60394<br>708                                 | 1911554  |
| 40 41933 7797 14175<br>MARY NELL'S FEOTAGE<br>10 51933 11246 13134<br>EUFFALC RENN EAST                        |   |                                  | 14101       | 14082<br>265<br>16060  | 10327              | 15902          | 16106                            | 17285G<br>344#                    | 194877                                       | 62 <u>1</u> 255                                  |
| FAR AMERICAN FETROLEUM<br>EURE ALE STATE 40747 30961   | 5700 16257 11<br>516 406                      | <br>198 2674<br>246 268          | 9767<br>116 | 11979                  | 6658               | 3 1 3 3<br>5 7 | 3 8 2 4                          | 283<br>11*                        | 142958                                       | 3 7 5 5 5 5                                      |
| CARDER CRILLING CO INC.  |   |                                  |             |                        |                    |                |                                  |                                   |  |  |
| 1N351427 57409 48214<br>396 316  | 44062 27646 16                                | <br>4 4 5 2 9 9 7 8<br>4 6 7 6 9 | 24039       | 2 1 5<br>1 2           |                    |                |                                  | 149265<br>395*                    | 261553                                       | 71 236 2   |
| CURTON CENN NORTH  FURNAY DX OIL TO    | 849 1833 1                                    | <br>142 665                      | 891         | 730                    | 577                | 2338<br>95     | 1673                             | 665G<br>36₹                       | 13309  | 11344C<br>947                                    |
| CONTINENTAL DIE SC<br>STATE 94 3 8   |   | . •                              |             | •                      |                    |                |                                  | G                                 | s  | 54635  |
| SULF OIL CORP A GRAHAM STATE A 2A241537 REC TO HOBE! W D GRIMES A 4CC21626 1451 1774 15N321938 1451            |   | . •                              |             |                        |                    |                |                                  | c.                                |  | 223510   |
| W D GRIMES A 400 1794 400 1650 1836 1451 1794 1550 1451 1794 1451 1794 1796 1796 1796 1796 1796 1796 1796 1796 | 1393 1344 1<br>1393 1                         |                                  | 1335        | 1335<br>1335           | 1 3 2 7<br>1 3 2 7 | 1327           | 1494                             | 1404G                             | 16758<br>9455                                | 2909472  |
| 11301636<br>SHELL OIL CO<br>STATE A  |   |                                  |             |                        |                    | 18942          | 24034                            | 221956                            | 55171  | 2204042  |
| 16521638 10156 9556  | 10237 9437 10                                 |                                  | 6677        | 8556                   | 5050               | 9303           | 8922                             | 68839                             | 110576                                       | 3592773  |
| SUN 34E CO<br>SCRINTERY<br>50 51938 105 16   | 4 3   |                                  |             |                        |                    |                |                                  | s                                 | 1285   | 284342   |
| TOM TROWN CRICKING CO<br>FLANET STATE<br>10 28025  | • • • • • • • • • •                           | . •                              |             |                        |                    |                |                                  | 5                                 | 5  |  |
| LETAE LAKE MUPRON<br>DOZ LA SATURAL SASOLINE<br>STATE<br>1401730 197 024                                       | £ CO  |                                  |             |                        |                    |                |                                  |                                   |  |  |
|  | 633 565                                       | 596 593                          | 445         | 461                    | 4 5 9              | 502            | 5 2 C                            | 5743                              | 5497   | 102525   |
| TALY MORROW<br>CALL SERVICE AL<br>1177025  |   | • •                              |             |                        |                    |                |                                  | 3                                 | s  | 14830  |
| STAVECHO FERN  |   |                                  |             |                        |                    |                |                                  |                                   |  |  |
| UNI N THE CO OF CALIFOR  | 13716 6454 5<br>46373 56365 59                | 118 5295<br>062 43195            | 6839        | 7950<br>32073          | 6600<br>35365      | 5683<br>18365  | 5097<br>18535                    | 66673<br>36315G                   | 79173<br>478346                              | 136809   |
| 10076- ELLEN 1046EH<br>3474E   16 CC<br>110562436 44771 6774C1<br>421  | 21 359 1 2 3 1 2 2 7 1 5 1<br>1 3 8 9 1 5 4 7 | 882207495<br>986 1333            | 303722      | 2 2 1 6 7 2<br>1 3 0 1 | 5 5 6 9 0<br>2 9 3 | .50165         | 108332                           | 1534395                           | 1507787                                      | 3667855  |
| DARK LANYON  UNITE THE CO DE CALIFOR  DARK LANYON STATE  10002375  |   |                                  |             |                        |                    |                |                                  | 3                                 |  |  |
| DUMMIELELS RENN  |   |                                  |             |                        |                    |                |                                  |                                   |  |  |
| SUNTINENTAL 31 CO<br>SUMPLEED FEDERAL 15<br>1A211687 24098 17661   |   |                                  | 5           |                        |                    |                |                                  | 5184G                             | 98709  | 4355756  |

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| WELL<br>UNIT S.T.R.  | JAN,                          | РЕВ.  | HAR.                                   | APR,  | YAY           | JUNE   | JULY              | AUG.              | 5 EPT.                          | oct.               | NOV.                 | G-GAS<br>DEC, *-DIST.                                     | 1963<br>TOTALS  | ACCUM. TO:<br>1-1-64                                  |
|--|-------------------------------|---|--|---|---------------|--|-------------------|-------------------|---------------------------------|--------------------|----------------------|---|---|---|
| CONTINENTAL<br>BELL LAKE U<br>BELL LAKE U<br>BELL 10312334<br>47 62434   | OIL CO                        | 1954  |  |   | ••••          | 11446<br>59712   | 49653<br>47607    | 49205             | 60 63 3<br>5 4 8 5 6            | 19057              | 48912<br>39093       | G<br>6 4 9 0 2 G<br>5 5 2 8 5 G                           | 303808  | 42157<br>883562<br>1160338                            |
| SONTINENTAL<br>BELL LAKE UI<br>60 62334  |                               |   |  | • • • • •   |               | 1026   | 51164             | 40114             | 9333                            | 54674              | 42425                | 596525  | 259885  | 1150179   |
| SELL LAKE POSTAL BOLL LAKE US 5G 12433   |                               | 370C  | 11671                                  | 32970   | 34591         | 29656  |                   |                   |                                 |                    | 17881                | 29968G  | 193893  | 805909  |
| EIG EDDY WOLLD JS031   | LFĊAMP                        |   |  |   |               | 3278   | 2501              | 2243              | 2427                            | 2421               | 3308                 | 499 <u>G</u>  | 92361   | 123390<br>3518  |
| PLACK FIVER<br>CVEILL JOSE<br>FEDERAL JOSE<br>22122426   | 91.64                         |   |  |   |               |  |                   |                   |                                 |                    |                      | a   | 3055  | 148671  |
| ELLITT WOLF L PROWN UP   | CAMB<br>R AND (               | CLEM E  | . 350AG                                | E   | 3314          | 3111   | 7300              | 4111              | 1 1 2 7                         | 2761               | 0720                 |   |   |   |
| FUFFALO PEN  | V 212                         | 239   | 201                                    | 232   | 11,           | 3111   | 7300              | 4 1 1 1<br>1 5 5  | 3 3 3 7                         | 2761               | 1323                 | 5 18 27 G<br>18 47 *                                      | 1 4 6 2 2   | 197972  |
| EAN AMERICA<br>EJERALO UNI<br>49 41933   | LEY DE                        | . 4   |  |   |               | 4980<br>197  | 7 1 5 4<br>4 4 6  | 7 1 5 7 3 1       | 7664<br>1080                    | 3 9 4 5<br>7 2 6   | 2908<br>243          | 6 5 6 2 G   | 79736<br>3644   | 1850160   |
| CARDER CRIL<br>EASTE FEDER<br>1N351427   |                               |   |  | 30314<br>185  | z 0 6 8 1     | 7836<br>53   | 30523             | 20407             | 22949                           | 2 4 6 1 5<br>2 5 4 | 42025<br>407         | 61314G<br>440*  | 430554<br>3780  | 457411<br>4110  |
| STATE IN 91938   | ⊑ 0.0<br>1541                 |   | 1207                                   |   |               | 1467   | 1619              | 1510              | 1408                            | 1683               | 1455                 | 13756   | 17263   | 86350   |
| EUTON PENN<br>EUTOAY DE O<br>NEE MEXICO<br>10321929  |                               | 1111  | 1209                                   | 1077  | 1268          | 969  | 1 6 3 9<br>3 2    | 1035              | 8 8 7<br>2 8                    | 909                | 1367                 | 1273G<br>179  | 14143<br>167  | 100131  |
| 23.11NENTAL<br>27.41C A 29<br>1.29.1333  | 312 S:                        | <del>-</del>  |  |   |               |  |                   |                   |                                 |                    |                      | c   | 362   | 54135   |
| 0 A CA C  | 1476<br>1476                  | 40365<br>1365<br>1365   | 1366<br>1366                           | 1349  | 1651<br>1651  | 1 3 3 4<br>1 3 3 4   | 1 2 3 4 1 3 3 4   | 1 3 3 2           | 1393                            | 1 4 1 7            | 1 4 3 3<br>1 4 3 3   | G<br>14393<br>14396                                       | 16525<br>16889  | 223510<br>2892704<br>42652                            |
| HUMBLE OILE<br>FOYDES A ZS<br>LULL CT<br>CHELL C |                               |   |  |   |               |  |                   |                   |                                 |                    |                      | G   |   | 2130E71   |
| 14331538<br>14331538<br>14331538   | £116                          | 5705<br><br>114   | 10053                                  | 10231<br>   |               | 9338   | 9665              | 9589              | e 3 9 4<br>9 3                  | 10554              | 9976                 | 10207G  | 115694  | 3482802   |
| TOPE CAPE  TOPE COA NATA CET CASS 730  | GERTOA<br>PAK CA<br>TE<br>563 | -<br>50%   NE<br>557  |  | 5.57  | <br>ε35       | 5 <b>6</b> 3   | 5 5 8             |                   | 496                             | 411                | 409                  | 5 <b>1</b> 9G   | 5 8 6 7   | 96493<br>2474   |
| IGANECES PE  | 0 er s                        | ALIFOF  | ₹ <b>₩</b> ΙΑ                          |   |               | 2501   | 40.00             | 7072              |                                 | 7                  |                      | ·   |   | 2412  |
| 120 TER DULC<br>120 TER DULC<br>120 TER DULC<br>120 TER DULC<br>120 TER DULC   | <u> </u>                      | <u></u>   | 3945                                   |   |               | 2723<br>4653   | 4029<br>7233      | 3032<br>5111      | 4687                            | 3 4 P 0<br>7 3 0 2 | 10633                | 19543G<br>66506G  | 166263  | 457675<br>584547                                      |
| 103624361  | 377 6 2 6                     | 77162   | 3 6 6 7 2                              | 51 70 2   | 77008<br>244  |  |                   |                   |                                 |                    |                      |   |   |   |
| TOFFIELD PE  | 27 GAL 3                      | €090<br>3   | 33852                                  | 34282   | 7 3 5 7 5 7 7 | 5 4 1 6  | 21877             | 29945             | 21199                           | 12772              | 266 <b>7</b> 9<br>23 | 21903G<br>20#   | 257952  | 4264547<br>15711                                      |
| 7 AT. AMERICA<br>T7 FE AS<br>1 LC 917 781  | N DETA                        | CLEUM<br>347133<br>2244   | 6087 .<br>13976<br>1475                | 97.54.5<br>98.6   | 10937<br>614  | 4 0 2 7 4<br>4 6 5   | 11004             | ~1 6 7 :<br>9 1 2 | 8 2 2 2 0<br>6 4 6              | 3 3 5 5 a<br>3 5 8 | 168490               | 221157G:<br>2260\$  | 1348915   | 1157688<br>174762                                     |
| 700 LAKES 1010 CO 1010   | N F                           | FINING<br>4 554 1557<br>4 4 4 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 0 500000000000000000000000000000000000 | 77044 23<br>8070 2 2 15<br>1670 2 2 45<br>615 4 1 10 61 | 10000 HG      | 7-9-7-9<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-4-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1-0<br>1-9-3-1- | 8064498<br>913229 |                   | 53514<br>16848<br>10987<br>2676 |                    |                      | 556796<br>182673<br>1129<br>96673<br>9673<br>9673<br>9673 | 5 2 6 1 4 4<br>17 7 2 6 2 4<br>2 1 2 6 2 4<br>4 3 1 9<br>2 8 8 4 7<br>8 8 7 7 | 257 C 5 5 4 6 5 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |

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|                            | ABT                                     | 3.T.R.  | JAN,                            | F160 .                                   | кая,                           | <u>april</u>                                   | HAY                            | JUNE                           | JULT                           | <b>≜</b> 00.                     | 3 <b>19</b> 7.     | QC7,   | moy.                           | •                           | CAS<br>DIST. 1962<br>WATER TOTALS      | ACCIM. TO 1-1-63                                       |
|----------------------------|---|---|---------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--------------------------------|----------------------------------|--------------------|--|--------------------------------|-----------------------------|--|--|
| Mg. mr. s.                 | BELL                                    | LAKE F  | PENN                            |  |                                |  |                                |                                |                                |                                  |                    |  |                                |                             |  |  |
| 172 min v 278 ii           |   |   | 75380<br>CECAMP                 |  | 42016                          | 18915  | 3198                           | 3045                           | 14730                          |                                  | 2904               | 4532   | 2340                           | 29579                       | 178151                                 | 612016   |
| the section of the section |   |   |                                 |  | 9400                           | • • • • • •                                    | • • • •                        | 492                            |                                |                                  |                    |  |                                | 31029G<br>2195•             | 31029<br>2687                          | 31029  |
|                            | CNEIL<br>FEDER<br>201                   | FIVEF<br>L JOSE<br>AL C<br>22426                    | 1827                            | <br>1986                                 | 1798                           | 1284   | 997                            | 510                            |                                |                                  |                    |  |                                | 31846                       | 11586                                  | 145816   |
| #<br>-5<br>-1              | EUFFA                                   | LO VAL  | LEY PE                          | 77                                       |                                | · • • • • • •                                  |                                |                                |                                |                                  |                    |  |                                |                             |  |  |
|                            | ецогт                                   | T WOLF  | CAMP                            |  | GEOR (                         | 3E .,  |                                |                                |                                |                                  |                    |  |                                | 26817G<br>330*              | 26817<br>330                           | 26817  |
|                            | SUFFA                                   | LC ⊃EN  | <b>1</b> N                      |  |                                | 1992<br>62                                     |                                | 2789<br>182                    | 7131                           | 4 1 3 4                          | 2947               | 7067<br>282                                  | 3 9 4 7<br>1 6 3               | 4279G<br>1670               | 62594F<br>2477F                        | 8 6 0 9 7<br>3 8 2 6                                   |
|                            |   |   |                                 |  |                                | 15508<br>210                                   | 6070                           | 1239                           | 18002                          | 40913<br>525                     | 36143<br>389       | 33708  | 21888<br>323                   | 14270G<br>158#              | 396938<br>4045                         | 1770424  |
|                            | MARAT                                   | HON CI  | N RIVE<br>L CG<br>1407          |  | _                              | 1641   | 1912                           | 1595                           | 1632                           | 1630                             | 1528               | 1548   | 1588                           | 1495G                       | 19300                                  | 69052  |
|                            |   |   | NORTH<br>STATE<br>2743          | -<br>                                    | .5553                          | 2870   | 1682                           | 2597                           | 21 4 4<br>5 6                  | 1999                             | 1202               | 1388   | 1272                           | 1240G                       | 24230F<br>118F                         | 85983<br>487   |
|                            | CONTI<br>STATE                          | NENTAL  | . OIL C                         | 0 HOBE                                   | 908                            | T<br>946                                       | 614                            | 939                            | 979                            | ć 0.7                            | 1279               |  |                                | 2015                        |  |  |
| 30 m                       | 0 A A C A C A C A C A C A C A C A C A C | 01L CC<br>91ME37<br>21838<br>21838                  | CONVER<br>1591<br>1591          | TED TO<br>1453<br>1453                   | 1433<br>1433                   | 1 3 4 C<br>1 3 4 C                             | • • • •                        | 1309                           | 1301                           | 693                              | 1311               | 1231<br>1315<br>1315                         | 1334                           | 291G<br>G<br>1406G<br>1406G | 10739<br>16427<br>12467                | 5 4 3 2 7<br>2 2 3 5 1 0<br>2 8 7 5 6 1 5<br>2 7 9 6 3 |
|                            | HUMEL<br>POWER<br>1H3                   | 5 A F   | AND RE                          | FINING                                   | 208                            |  | • • • •                        |                                |                                |                                  |                    |  |                                | G                           | 208                                    | 2138871  |
|                            | SUN O                                   | 21838<br>IL CO<br>51938                             | 9197                            | 10333                                    | 11247<br><br>8114              | 7035   | 9031                           | 8 5 9 3<br>2 9 4               | 187                            | 8207                             | 7871               | 6981   |                                | 7427G                       |  | 283077   |
| 7                          |   |   | MORRON<br>PAL GA                |  | 373                            | 232  | 711                            | 829                            | 763                            | 760                              | 530                | 731  | 682                            | 6 5 5 <u>G</u>              | 6368                                   | 9 0 6 3 1<br>2 4 7 4                                   |
|                            |   | OFC PE  |                                 | ALIFOR                                   | RN 1 A                         |  |                                |                                |                                |                                  |                    |  |                                | •                           |  | 2474   |
|                            | 122g                                    | 62426   | 12547<br>:N3URGE                | 7657<br>11353                            |                                | 4768   | 7199                           | 4721<br>5103                   | 3749<br>8095                   | 3583<br>4671                     | 3488<br>4198       | 3313   | 7697<br>11838                  | 4321G<br>6646G              | 40948<br>124016                        | 382290<br>518284                                       |
|                            | 163                                     |   | 42161                           | 39569                                    | 24322                          | 5 2 5 6<br>4 0                                 | 28921                          | 6                              | 2 2 1 5 9<br>1 3 5             | 28501<br>175                     | 23718              | 19210  | 3 8 0 0 3<br>2 5 1             | 45280G<br>303#              | 317120                                 | 1159282<br>7154  |
|                            | SUFFI<br>SUFFI<br>1K2                   | NENTAL<br>ELD FE<br>11627                           | 0 281                           | о мове                                   | 1595                           | r  |                                |                                |                                |                                  |                    |  | 864                            | 770G                        | 3510<br>2                              | 4006595<br>15537                                       |
|                            | EMPIR<br>FAN A<br>STATE                 | E PENN<br>MERICA<br>AE<br>917282                    | N FETR                          | OLEUM<br>.921741                         | CORP                           | 154233<br>1868                                 | 2275                           | 6072                           | 8298                           | 19379                            | 86480              | 134220                                       | 160178                         | 1550249:                    | 1308267                                | 10227963   |
| 1                          | ECLB                                    | LAKES   | SEVONI                          | A N                                      |                                |  |                                |                                |                                |                                  |                    |  |                                |                             |  |  |
|                            | 2 G<br>3 D<br>4 O 3<br>4 O 3            | 21234<br>11234<br>51134                             | 24775<br>7651<br>1191<br>CONVER | 24263<br>7247<br>17825<br>3926<br>TED TO | 24809<br>6921<br>28189<br>5806 | 19817<br>5855<br>24450<br>5388<br>7893<br>2884 | 25407<br>6709<br>27956<br>5709 | 21806<br>6120<br>24941<br>5408 | 10981<br>3024<br>24498<br>5219 | 40293<br>105339<br>23595<br>4772 |                    | 2 9 7 9 5<br>7 4 9 8<br>2 0 6 6 3<br>4 0 2 1 | 30222<br>7829<br>20626<br>4132 | ŭ                           | 342551F<br>93659F<br>266166F<br>55405F | 31 28 20<br>4 10 2 1                                   |
|                            | FCALE                                   | G = A ⊃ :   | 3 5 6 64                        |  |                                | 7893<br>2884                                   |                                | 7531                           | 5590<br>1974                   | 3695                             | 5 4 8 2<br>2 0 5 8 | 5366<br>1731                                 | 3987<br>1324                   | 2428G<br>752*               | 78774F<br>29106F                       | 79152  |
|                            | PLAIN<br>RAUTI                          | 01 = 00<br>01 = 01<br>03 04 37<br>MSA 171<br>504 37 | CA CATE<br>0 7.31               |  |                                | 7135   |                                | 7796                           | 6379                           | 4423                             | 5349               | 7824   | 6427                           | 94G<br>6527G                | 94<br>76439                            | 94   |
|                            | 500TE<br>500TE<br>14K1                  |   | 20317                           | 12129<br>12106                           | 10967                          | 24174  | 16544                          | 9616                           | 9861                           | 10420                            | 6827               | 11211  | 29722                          | 25111G<br>27781G            | 186895<br>27781                        | 393814<br>27781  |
|                            | SKELL<br>JOY A                          | Y CIL   | CO<br>29357<br>326              | 4608                                     | 1518<br>37                     | 31220  | 5 1 8 5 2<br>2 4 8             | 39498<br>280                   | 43120                          | 47879<br>145                     | 45449<br>151       | 47947<br>126                                 | 46232                          | 45780G<br>124*              | 2016                                   | 3 3 3 2 8 4 9<br>7 7 5 2 1                             |
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| BLUITT WOLFGAME  |   |   |                         |           |                    |                    |   |                       |                      |                       |                           |                                    |                               |
| TEDEPAL<br>TEDEPAL<br>1833 737   | CLEM 6  | E GEOR  | GE                      |           |                    |                    | 6297<br>299                               | 2681<br>81            | 17 9 2<br>7 C        | 7 5 5 8<br>3 2 1      | 4775G<br>207€             | 23503<br>978                       | 2 7 5 i                       |
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| THE OHIO CIL CO<br>STATE<br>IN 91938 2091  | 1744  |   | 1851                    | 1774      | 1736               | 1654               | 1670                                      | 1642                  | 1865                 | 1528                  | 16026                     | 21236                              | 4 9 7                         |
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| CONTINENTAL SIL C<br>STATE A 19<br>1J291838  |   |   |                         |           | 1130               | 1808               | 1 2 1 7                                   | 1329                  | 1357                 | 1251                  | 13 1 1 G                  | 9955                               | 4 3 5                         |
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| UMBLE OIL AND RECOMERS A FEET 11589 11589 HELL OIL CO.   |   |   |                         |           | 217                |                    |   |                       |                      |                       | G                         | 25049                              | 21386                         |
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| HONOLULU CIL CORS<br>STATE P<br>1J131127   | • • • •   |   | • • • • • •             |           |                    |                    |   |                       |                      |                       | G                         | s                                  |                               |
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