# H. L. Brown, Jr. Post Office Box 2237 Midland, Texas 79702-2237

June 11, 1993



Mike Stogner
State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Re: North Feather State Unit #1 1650' FNL and 990' FEL of Sec 16, T-15S, R-32E, UL H Lea County, New Mexico

Dear Mr. Stogner:

At this time H. L. Brown, Jr. would like to request approval for an unorthodox location on the above captioned North Feather State Unit #1 well.

Originally, this well was drilled as an oil well on a 40 acre proration unit. However, after completion, it was apparent the properties of the well were indicative of a gas well; API Gravity of 58.5°, GOR of 79,000, and an original reservoir pressure of 5826 psig indicating an undepleted reservoir. This evidence motivated H. L. Brown, Jr. to request a new gas pool designation from the NMOCD - Hobbs Division. When approved, a 320 acre proration unit will be established and the well will be on an unorthodox location.

Enclosed for your reference are copies of the original C-102, with a 40 acre dedication, and the revised C-102 with a 320 acre dedication. There is also a land plat enclosed indicating the proposed 320 acre proration unit.

Also enclosed, please find copies of the notification to offset operators regarding our request for approval of an unorthodox location. These notification letters were sent certified with return receipt requested.

Through our research and testing, we have come to the conclusion that this well is indeed a gas well and a 320 acre proration unit will insure this reservoir will not be depleted prematurely. We appreciate your consideration of our request and if you have any questions or need any additional information, please feel free to call me at (915) 683-5216.

Very truly yours,

John T. Gray

Production Engineer

John S. Gray

JTG:ds enclosures cc Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

# State of New Mexico Energy Minerals and Natural Resources De\_ rtment.

Form C-102 Revised 1-1-89

## OIL CONSERVATION DIVISION

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

# WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

All Distances must be from the outer boundaries of the section

| The Letter Section Township 15 SOUTH 32 EAST NAPM County LEA Across Forcage Location of Well:  Across Forcag | Operator         | • H.I. F      | BROWN     | JR.             |                | Lease        |            | STATE 16         |             |  | Well No.   |  |
|--|------------------|---------------|-----------|-----------------|----------------|--------------|------------|------------------|-------------|--|--|--|
| Actual Footage Location of Well.  Actual | Enit Letter      |               |           |                 |                | Range        |            |                  |             | County                                       |  |  |
| Actual Footage Locations of Tells:  1850 feet from the NORTH has and  990 feet from the EAST line  Graund Level Ber.  4297.3' MOYTOW  Feather Morrow Oil  1. Outline the acreage dedicated to the subject well by colored penalic or hackness marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and reyalty).  3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitisation, sunitization, force-pooling, etc.?  Yes No Answer to "no" list of owners and tract descriptions which have actually been consolidated (the reverse side of the sum interest).  No allowable will be estigated to the well unit all interest have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.  OPERATOR CERTIFICATION  I have certify the the signment of the signment of the sum on this plat was plant from and select.  Signsardy  B. L. Brown, Jr.  Date Street, the sign of some water of the sign of some of the sign of some of some of the sign of some of the sign of some of the sign of some | 1                | 1             |           | =               | TUTH           | wanke "      | 32 F       | AST 57           | TOTA        | Councy                                       | I FA   | •  |
| 1650 feet from the NORTH the and Pool feet from the EAST line Ground Level Eer, Producing formation 429.7' Mortrow 1. Outline the accessed edicated to the subject well by colored pencil or bachers marks on the plat below. 2. If more than one lease of different ownership is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royally). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization. Unfutzation, force-pooling, etc.?    Yes  |                  |               | <u> </u>  | 10 30           | JUIII          | L            | - J2, L    | NI NI            | nrM_        | <u>ـــــ</u> ـــــــــــــــــــــــــــــــ | 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |  |
| Food Level Elev. Producing Formation   Food   Peather Morrow   Dedicated Acreage:   40.7.9.  | 1050             |               |           | TH Mrs.         | 4              | 990          |            | foat             | from        | the · EAS                                    | line   |  |
| 1. Onuline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been concolidated by communitization, unitization, force-pooling, etc.?    Yes   No   N answer is 'yes' type of consolidation   |                  |               |           |                 | <u> </u>       |              |            |                  |             |  |  |  |
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| unitiation, force-pooling, etc.?    Yes   No   It answer is 'yes' type of consolidation    If answer is 'no' list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.  No allowable will be assigned to the well unit all interests have been consolidated by communitization, unitiation, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Driston.  OPERATOR CERTIFICATION  I have revertly that the subject to the last of may be united on and complete to the last of may be united on and complete to the last of may be united on the last of may be united from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of the last of an this plat was plated from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of an this plat was plated from fall actes of the last of the la | 2. If more than  | one lease is  | dedicate  | ed to the well. | outline each   | and identify | y the owne | rship thereof (  | both        | as to working                                | g interest and royalty   | y).  |
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| Certificate No. JOHN W. WEST. 676 RONALD J. EIDSON. 3239 GARY L. JONES, 7977   |                  |               |           |                 |                | 1            |            |                  |             | 1/8  | A  | . 1  |
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| GARY L. JONES, 7977  |                  | 1             |           |                 |                | İ            | *          |                  |             | Certificate N                                | o. JOHN W. WEST,   | 676  |
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Form C-102 Revised 1-1-89

GARY L

92-11-1977

7977

DISTRICT I

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT

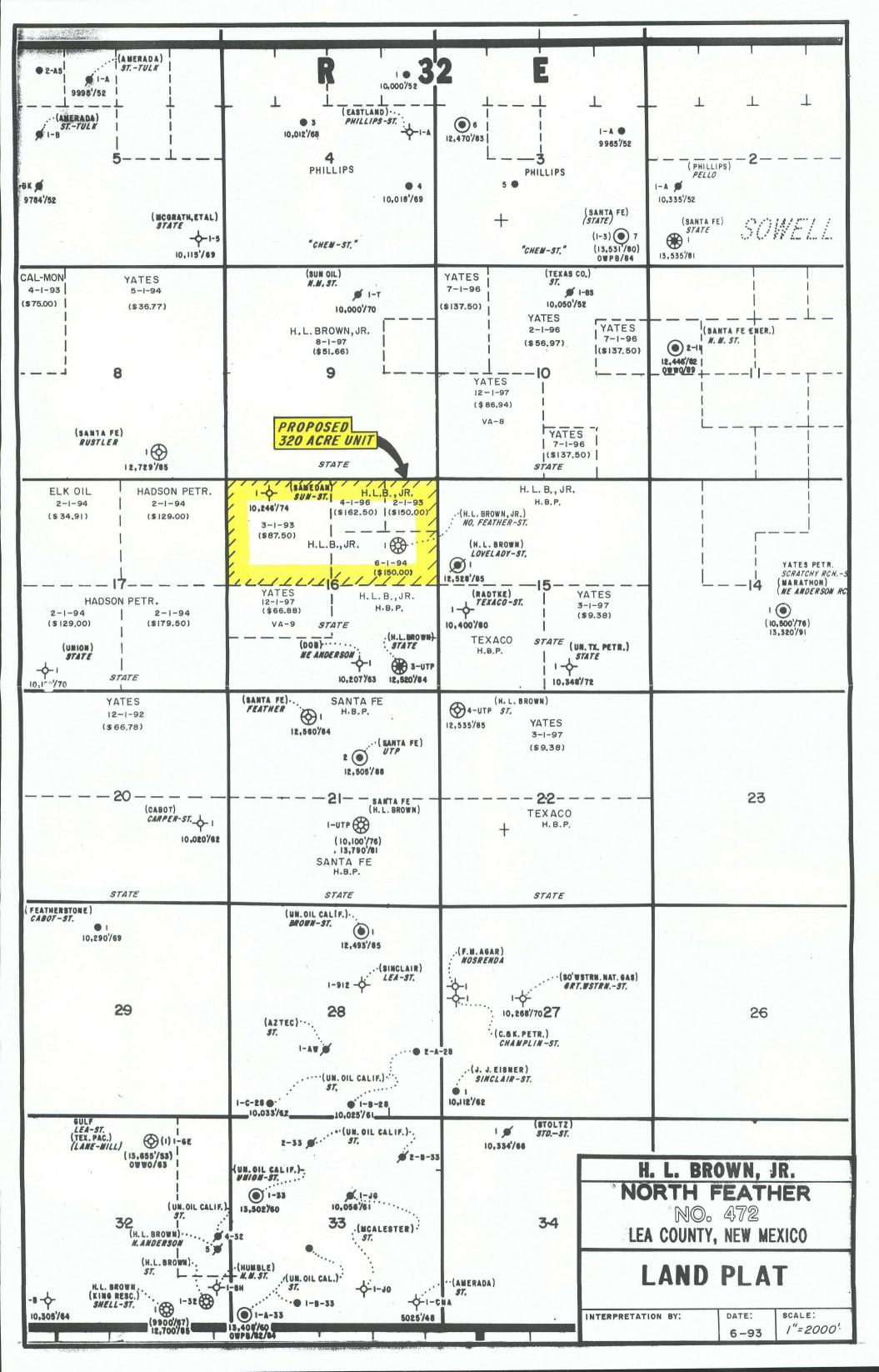
DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 67410 All Distances must be from the outer boundaries of the section Lease Well No. Operator H.L. BROWN, JR. 1 North Feather State Unit Unit Letter Section Township Range County 16 15 SOUTH 32 EAST LEA NMPM Actual Footage Location of Well: 990 **EAST** feet from the line and feet from the line Ground Level Elev. Producing Formation Pool Dedicated Acreage: 4297.9' Morrow 320 Wildcat 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? No If answer is "yes" type of consolidation If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Printed Name John Gray Position Production Engineer 990' Company H. L. Brown, Jr. Date June 7, 1993 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made, by me or under my supervison, and that the same is true and correct to the best of my knowledge and South Mich Surveyed DECEMBER ... 1992 Signature & Seal of Professional Surveyor Certifi 3239 RONALD J. FIDSON

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## H. L. Brown, Jr. Post Office Box 2237 Midland, Texas 79702-2237

June 11, 1993

Texaco Exploration & Production Inc. Box 3109 Midland, Texas 79702

Re: H. L. Brown, Jr.

North Feather State Unit #1

1650' FNL and 990' FEL of
Sec 16, T-15S, R-32E
Lea County, New Mexico

### Gentlemen:

H. L. Brown, Jr. has applied with the State of New Mexico Oil Conservation Division for an unorthodox location for the above captioned well. The well is located 1650' FNL and 990' FEL of Section 16, on a 320 acre proration unit, plat attached.

This letter is notification to you as an offset operator that this application has been submitted to the NMOCD.

Very truly yours,

H. L. BROWN, JR.

John T. Gray Production Engineer

JTG:ds attachment

cc: NMOCD

# H. L. Brown, Jr. Post Office Box 2237 Midland, Texas 79702-2237

June 11, 1993

Hadson Petroleum (USA), Inc. 101 Park Avenue Suite 1400 Oklahoma City, Oklahoma 73102

Re: H. L. Brown, Jr.
North Feather State Unit #1
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Sec 16, T-15S, R-32E
Lea County, New Mexico

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John T. Gray

Jahn J. Grang

Production Engineer

attachment cc: NMOCD

JTG:ds

nm

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June 11, 1993

Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210

Re: H. L. Brown, Jr.

North Feather State Unit #1

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H. L. BROWN, JR.

John T. Gray

Production Engineer

John J. Dray

JTG:ds attachment cc: NMOCD

Desc: SE/4 see 21 (R-6923, 3-9-82) Ext: NE/4 Sec. 21 (R-7554, 6-14-84) Ext: 5=11 Sec. 16 (R-7>63, 1-8-85)

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| Ext: NE/4 Sec. 2 | 1(R-7554, 6-14-                         | 84) Ext: 55 | Usec./6 (R-7>63,1-8-85)                  | ) |
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BRUCE KING GOVERNOR June 16, 1993

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

MEMO TO: Mike Stogner

FROM:

Jerry Sexton

SUBJECT:

H.L. BROWN JR,

North Feather State Unit #1 Unit K, Sec. 16, T15S, R32E

After looking at the wells in the Feather Morrow oil pool I really see no problem with creating a new gas pool for the above-mentioned well. Following is the data from the well file:

GOR -- 41,000 Gravity of Condensate -- 58.5° Reservoir Pressure -- 5862

cc: Larry Van Ryan Bill LeMay File



Altred Copy: 20. 5. 6/30/93