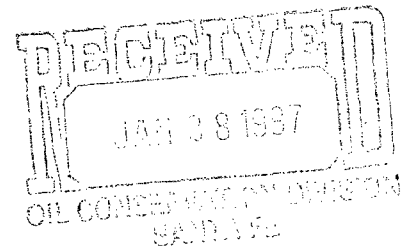


PADILLA & SNYDER
ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577



January 28, 1987

HAND DELIVERED

Mr. William Lemay, Director
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

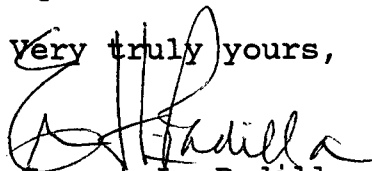
RE: DOWNHOLE COMMINGLING APPLICATION OF JULIAN ARD FOR
ADMINISTRATIVE APPROVAL

Dear Mr. Lemay:

Enclosed please find the above-referenced application
which requests your approval.

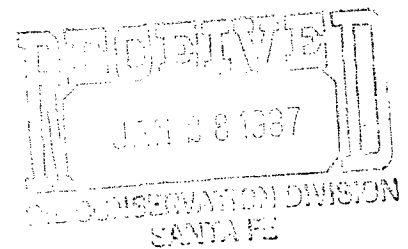
Should additional information be necessary, please let
me know so that we can provide it.

Very truly yours,



Ernest L. Padilla

cc: Julian Ard, w/enclosure
Bureau of Land Management-Roswell, w/enclosure
Jerry Sexton-OCD Hobbs, w/enclosure



BEFORE THE OIL CONSERVATION DIVISION

IN THE MATTER OF
THE APPLICATION OF JULIAN ARD
FOR ADMINISTRATIVE APPROVAL OF
DOWNHOLE COMMINGLING, LEA COUNTY,
NEW MEXICO.

No.

APPLICATION FOR DOWNHOLE COMMINGLING

Applicant, pursuant to Division Rule 303 (C), states:

1. That he operates the South Teas Federal Well No.1 (the well located 1980 FNL and 2310 FEL of Section 23, Township 20S, Range 33E, NMPM, Lea County, New Mexico.

2. In the interest of conservation and to prevent premature abandonment of the well, applicant requests authority to commingle, in the well-bore, the oil and gas production as shown below from the following formations or zones:

| <u>FORMATION</u> | <u>PRODUCTION</u> | | |
|------------------|-------------------|------------|--------------|
| | <u>OIL</u> | <u>GAS</u> | <u>WATER</u> |
| BONE SPRINGS | 1 BOD | -0- | -0- |
| WOLFCAMP | 5 BOD | -0- | -0- |
| MORROW | 5 BOD | 300MCFD | 6 BBL |

3. Oil zones do not require artificial lift; however, periodic manual valve opening and closing is required to flow the well after pressure buildup.

4. Fluids from each formation or zone are compatible with each other; appearance and gravity of the oil from the three zones is almost identical.

5. The total value of the crude oil will not be reduced by commingling.

6. Ownership and participation in the proceeds from the sale of the produced hydrocarbons in the three zones is common and identical.

7. Commingling will not jeopardize future enhanced recovery operations.

8. With respect to the gas production from the Morrow zone:

(a) Commingling is necessary to permit production from all three zones to occur; production from any single zone would not be economical.

(b) No crossflow between zones will occur.

(c) None of the three zones are fluid sensitive as long as the well is flowed periodically as explained in paragraph 3 above.

(d) The bottom hole pressure of the lowest pressure zone is not less than 50% of the next highest pressure zone which itself is not less than 50% of the highest pressure zone.

9. Attached hereto as exhibits 1, 2a, 2b, 2c, 3, 4, 5, 6, 7, 8a and 8b; respectfully:

Exhibit 1: Ownership map.

2a: List of offsetting operators.

2b: Copies of letters sent to offsetting operators.

2c: Copies of return receipts.

3: Copies of signed waivers.

4: Copies of pertinent well records.

5: Copies of Forms C-102.

6: Completion and production data.

7: Copies of Form C-116.

8a&b: Copies of pressure decline curves.

Respectfully submitted,

PADILLA & SNYDER

By: 

Ernest L. Padilla

Attorneys for Applicant

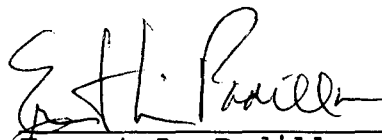
Post Office Box 2523

Santa Fe, New Mexico 87504

CERTIFICATE OF SERVICE

I hereby certify that on this 28th day of January, 1987, I caused a true and correct copy of the foregoing Application for Downhole Commingling to be mailed by certified mail to the following:

Minerals Management Service
Roswell District Office
Post Office Box 1397
Roswell, New Mexico 88201



Ernest L. Padilla
Post Office Box 2523
Santa Fe, New Mexico 87504
(505) 988-7577

Hudson and Hudson
1440 Interfirst Tower
Fort Worth, Texas 76102-4780

Marshall & Winston, Inc.
310 W. Tower, 10 Desta Dr.
Midland, Texas 79705

Tenneco Oil Company
1010 Milam
Box 2511
Houston, Texas 77001 Attention: Ned Snodgrass, Ch. Ldmn.

Union Texas Petroleum
Southwest Division
4000 N. Big Spring
Midland, Texas 79705

Yates Petroleum Corporation
7700 San Felipe, Suite 350
Houston, Texas 77063

Anadarko Production Company
Midland Division Office
400 W. Illinois, Suite 1300
Midland, Texas 79702

Arco Oil and Gas Company
Box 1610
Midland, Texas 79702 Attention: Land Manager, C. Krehbiel

Bass Enterprises Production Company
201 Main Street, Suite ~~2900~~ 3100
Fort Worth, Texas 76102 Attention: Art Hamilton, Vice President
Land Department

Enron
Land Department Division
3040 Post Oak Blvd.
Houston, Texas 77056

Cleary Petroleum Corporation
300 Prentice Bldg.
Oklahoma City, Oklahoma 73116 Attention: Jim Thomas, Vice President
Land Department

Venlease I
40 Central Park South
New York, New York 10019

RECEIVED
JAN 21 1987

JULIAN ARD
1803 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Venlease I
40 Central Park South
New York, New York 10019

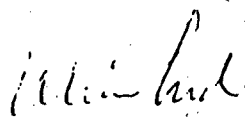
Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

EXHIBIT 2b

By: _____

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Cleary Petroleum Corporation
300 Prentice Bldg.
Oklahoma City, Oklahoma 73116

Attention: Land Department

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3713

December 1, 1986

Enron
Land Department Division
3040 Post Oak Blvd.
Houston, Texas 77056

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Bass Enterprises Production Company
201 Main Street, Suite 3100
Fort Worth, Texas 76102

Attention: Art Hamilton
Vice President, Land Department

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Arco Oil and Gas Company
Box 1610
Midland, Texas 79702

Attention: C. Krehbiel, Land Manager

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Anadarko Production Company
Midland Division Office
400 W. Illinois, Suite 1300
Midland, Texas 79702

Attention: Chief Landman


Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Yates Petroleum Corporation
7700 San Felipe, Suite 350
Houston, Texas 77063

Attention: Chief Landman

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingle in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingle and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Union Texas Petroleum
Southwest Division
4000 N. Big Spring
Midland, Texas 79705
Attention: Chief Landman

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingle in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingle and return.

Regards,


Julian Ard

JA/1b

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Tenneco Oil Company
1010 Milam
Box 2511
Houston, Texas 77001

Attention: Ned Snodgrass, Chief Landman

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Marshall & Winston, Inc.
310 W. Tower, 10 Desta Dr.
Midland, Texas 79705

Attention: Chief Landman

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

RECEIVED
FEB 25 1987
RECEIVED

December 1, 1986

Enron
Land Department Division
3040 Post Oak Blvd.
Houston, Texas 77056


Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
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Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/1b

Enclosure

Enron Oil & Gas Company
By: Gay L. Thomas

Certified Mail, Return Receipt Requested

JULIAN ARD
3013 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

RECEIVED

DEC 23 1986

G. T. LEPLEY

December 1, 1986

DEC 4 1986

JAN 05 1987

RECEIVED

Union Texas Petroleum
Southwest Division
4000 N. Big Spring
Midland, Texas 79705
Attention: Chief Landman

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,

Julian Ard
Julian Ard

JA/lb

Enclosure

Union Texas Petroleum
By: *G. T. Lepley*

Certified Mail, Return Receipt Requested

EXHIBIT 3

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

ED
DEC 22 1986
RECEIVED

December 1, 1986

Tenneco Oil Company
1010 Milam
Box 2511
Houston, Texas 77001

Attention: Ned Snodgrass, Chief Landman

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

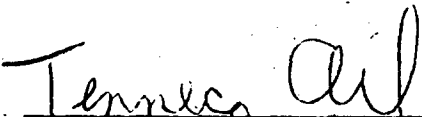

Regards,


Julian Ard

JA/1b

Enclosure

EXHIBIT 3


By: 

O.K. _____

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Hudson and Hudson
1440 Interfirst Tower
Fort Worth, Texas 76102-4780

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingle in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingle and return.

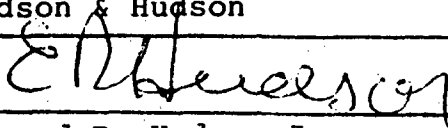
Regards,


Julian Ard

JA/lb

Enclosure

Hudson & Hudson

By: 
Edward R. Hudson, Jr.
December 3, 1986

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-885-3715

December 1, 1986

Anadarko Production Company
Midland Division Office
400 W. Illinois, Suite 1300
Midland, Texas 79702

Attention: Chief Landman

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,

Julian Ard
Julian Ard



JA/lb

Enclosure

DEC 4 1986

ANADARKO PETROLEUM CORPORATION
By: *Michael R. Goode*
MICHAEL R. GOODE
DIVISION LANDMAN

Certified Mail, Return Receipt Requested

EXHIBIT 3

DEC 9 1986

OPERATIONS
IDH

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-333-3715

6
RECEIVED

DEC 8 1986

LAND DEPT.

December 1, 1986

Cleary Petroleum Corporation
300 Prentice Bldg.
Oklahoma City, Oklahoma 73116

Attention: Land Department

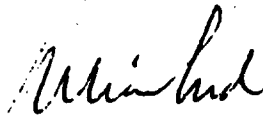
Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

GRACE PETROLEUM CORP.
By: Jack D. Hill

O.K. _____

Certified Mail, Return Receipt Requested

EXHIBIT 3

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-333-3715

RECEIVED
DEC 4 1986
LAND DEPARTMENT

December 1, 1986

Arco Oil and Gas Company
Box 1610
Midland, Texas 79702

Attention: C. Krehbiel, Land Manager

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

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Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

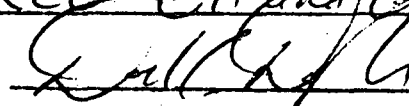
ARCO Oil and Gas Co.
By: 

EXHIBIT 3

Certified Mail, Return Receipt Requested

JULIAN ARD
308 MAIN STREET
FORT WORTH, TEXAS 76102
817-385-8715

RECEIVED
DEC 22 1986
RECEIVED

December 1, 1986

Venlease I
40 Central Park South
New York, New York 10019

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

Enclosed please find a draft of the Application for Downhole
Commingling in reference to the above mentioned well and a copy of
the Oil Conservation Division Rule 303 (C).

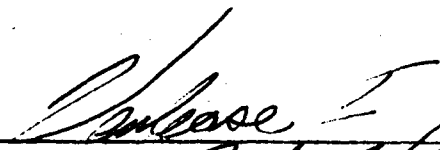
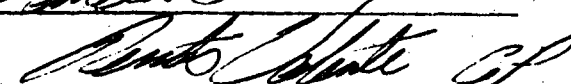
Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure


By: 

RECEIVED

DEC 17 1986

O.K. _____

Certified Mail, Return Receipt Requested

JULIAN ARD
303 MAIN STREET
FORT WORTH, TEXAS 76102
817-335-3715

December 1, 1986

Hudson and Hudson
1440 Interfirst Tower
Fort Worth, Texas 76102-4780

Re: South Teas Federal Well No. 1
Sec. 23, T20S, R33E, NMPM
Lea County, New Mexico

Gentlemen:

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Please sign the waiver that you have no objections to the
Application for Downhole Commingling and return.

Regards,


Julian Ard

JA/lb

Enclosure

By: _____

EXHIBIT 2b

Certified Mail, Return Receipt Requested

Form 3811, Jan. 1978

SENDER: Complete Items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery. **904**
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery 3.

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Venlease I
40 Central Park South
New York, New York 10019

3. ARTICLE DESCRIPTION:
REGISTERED NO. **P 455 074** INSURED NO. **852**
(Laborer's obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE *Mike Mansfield* ADDRESS *Washington*

4. DATE OF DELIVERY **12/15/84** POSTMARK

5. ADDRESS (Complete only if requested)
40 CPS
NYC 10019 NY

6. UNABLE TO DELIVER BECAUSE: **7** CLERK'S INITIALS

PSNFO : 1979-300-455

Form 3811, Jan. 1978

SENDER: Complete Items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery. **924**
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery 3.

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Cleary Petroleum Corp.
300 Prentice Bldg.
Oklahoma City, OK 73116

3. ARTICLE DESCRIPTION:
REGISTERED NO. **P 455 074** INSURED NO. **853**
(Laborer's obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE *John P. ...* ADDRESS *Washington*

4. DATE OF DELIVERY **12-5-86** POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

PSNFO : 1979-300-455

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery. 926
☐ RESTRICTED DELIVERY
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY
Show to whom, date, and address of delivery. 5

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Union Texas Petroleum
4000 N. Big Spring
Midland, Texas 79705

3. ARTICLE DESCRIPTION:
REGISTERED NO. P455 074 INSURED NO. 859
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE James E. Lee Date 12-4-82

4. DATE OF DELIVERY 12-4-82 POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

ST-970 : 1979-000-459

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery. 926
☐ RESTRICTED DELIVERY
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY
Show to whom, date, and address of delivery. 5

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Yates Petroleum Corporation
7700 San Felipe, Suite 350
Houston, Texas 77063

3. ARTICLE DESCRIPTION:
REGISTERED NO. P455 074 INSURED NO. 858
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE James E. Lee Date 12-5-82

4. DATE OF DELIVERY 12-5-82 POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

ST-970 : 1979-000-459

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☐ Show to whom and date delivered.
☒ Show to whom, date and address of delivery. 926
☐ RESTRICTED DELIVERY
☐ RESTRICTED DELIVERY
Show to whom and date delivered.
☐ RESTRICTED DELIVERY
Show to whom, date, and address of delivery. 5

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Anadarko Production Company
400 W. Illinois, Suite 1300
Midland, Texas 79702

3. ARTICLE DESCRIPTION:
REGISTERED NO. P455 074 INSURED NO. 857
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE Emma Roddy Date 12.4.82

4. DATE OF DELIVERY 12.4.82 POSTMARK

5. ADDRESS (Complete only if requested)
400 W. Ill. 1300

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

ST-970 : 1979-000-459

EXHIBIT 2C

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. RETURNED Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse. | |
| The following service is requested (check one): <input type="checkbox"/> Show to whom and date delivered. <input checked="" type="checkbox"/> Show to whom, date and address of delivery. ... 22 <input type="checkbox"/> RESTRICTED DELIVERY Show to whom and date delivered. <input type="checkbox"/> RESTRICTED DELIVERY. Show to whom, date, and address of delivery. \$ ____ | |
| (CONSULT POSTMASTER FOR FEES) | |
| 2. ARTICLE ADDRESSED TO: Hudson and Hudson 1440 Interfirst Tower Fort Worth, TX 76102-4780 | |
| 3. ARTICLE DESCRIPTION: REGISTERED NO. P455 074 CERTIFIED NO. 862 INSURED NO. | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE <i>[Signature]</i> <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent |
| 4. DATE OF DELIVERY DEC 3 1986 | POSTMARK |
| 5. ADDRESS (Complete only if requested) | CLERK'S INITIALS |
| 6. UNABLE TO DELIVER BECAUSE: | |

★ GPO : 1979-300-489

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. RETURNED Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse. | |
| The following service is requested (check one): <input type="checkbox"/> Show to whom and date delivered. <input checked="" type="checkbox"/> Show to whom, date and address of delivery. ... 22 <input type="checkbox"/> RESTRICTED DELIVERY Show to whom and date delivered. <input type="checkbox"/> RESTRICTED DELIVERY. Show to whom, date, and address of delivery. \$ ____ | |
| (CONSULT POSTMASTER FOR FEES) | |
| 2. ARTICLE ADDRESSED TO: Marshall & Winston, Inc. 310 W. Tower, 10 Desta Dr. Midland, Texas 79705 | |
| 3. ARTICLE DESCRIPTION: REGISTERED NO. P455 074 CERTIFIED NO. 861 INSURED NO. | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE <i>[Signature]</i> <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent |
| 4. DATE OF DELIVERY 12-4-86 | POSTMARK |
| 5. ADDRESS (Complete only if requested) | CLERK'S INITIALS |
| 6. UNABLE TO DELIVER BECAUSE: | |

★ GPO : 1979-300-489

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. RETURNED Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse. | |
| The following service is requested (check one): <input type="checkbox"/> Show to whom and date delivered. <input checked="" type="checkbox"/> Show to whom, date and address of delivery. ... 22 <input type="checkbox"/> RESTRICTED DELIVERY Show to whom and date delivered. <input type="checkbox"/> RESTRICTED DELIVERY. Show to whom, date, and address of delivery. \$ ____ | |
| (CONSULT POSTMASTER FOR FEES) | |
| 2. ARTICLE ADDRESSED TO: Tenneco Oil Company 1010 Milam, Box 2511 Houston, Texas 77001 | |
| 3. ARTICLE DESCRIPTION: REGISTERED NO. P455 074 CERTIFIED NO. 860 INSURED NO. | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE <i>[Signature]</i> <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent |
| 4. DATE OF DELIVERY DEC - 5 1986 | POSTMARK |
| 5. ADDRESS (Complete only if requested) | CLERK'S INITIALS |
| 6. UNABLE TO DELIVER BECAUSE: | |

★ GPO : 1979-300-489

| |
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| <p>U.S. 6</p> <p>U.S. 5</p> <p>U.S. 4</p> <p>U.S. 3</p> <p>U.S. 2</p> <p>U.S. 1</p> <p>U.S. 0</p> <p>U.S. -1</p> <p>U.S. -2</p> <p>U.S. -3</p> <p>U.S. -4</p> <p>U.S. -5</p> <p>U.S. -6</p> <p>U.S. -7</p> <p>U.S. -8</p> <p>U.S. -9</p> <p>U.S. -10</p> <p>U.S. -11</p> <p>U.S. -12</p> <p>U.S. -13</p> <p>U.S. -14</p> <p>U.S. -15</p> <p>U.S. -16</p> <p>U.S. -17</p> <p>U.S. -18</p> <p>U.S. -19</p> <p>U.S. -20</p> <p>U.S. -21</p> <p>U.S. -22</p> <p>U.S. -23</p> <p>U.S. -24</p> <p>U.S. -25</p> <p>U.S. -26</p> <p>U.S. -27</p> <p>U.S. -28</p> <p>U.S. -29</p> <p>U.S. -30</p> <p>U.S. -31</p> <p>U.S. -32</p> <p>U.S. -33</p> <p>U.S. -34</p> <p>U.S. -35</p> <p>U.S. -36</p> <p>U.S. -37</p> <p>U.S. -38</p> <p>U.S. -39</p> <p>U.S. -40</p> <p>U.S. -41</p> <p>U.S. -42</p> <p>U.S. -43</p> <p>U.S. -44</p> <p>U.S. -45</p> <p>U.S. -46</p> <p>U.S. -47</p> <p>U.S. -48</p> <p>U.S. -49</p> <p>U.S. -50</p> <p>U.S. -51</p> <p>U.S. -52</p> <p>U.S. -53</p> <p>U.S. -54</p> <p>U.S. -55</p> <p>U.S. -56</p> <p>U.S. -57</p> <p>U.S. -58</p> <p>U.S. -59</p> <p>U.S. -60</p> <p>U.S. -61</p> <p>U.S. -62</p> <p>U.S. -63</p> <p>U.S. -64</p> <p>U.S. -65</p> <p>U.S. -66</p> <p>U.S. -67</p> <p>U.S. -68</p> <p>U.S. -69</p> <p>U.S. -70</p> <p>U.S. -71</p> <p>U.S. -72</p> <p>U.S. -73</p> <p>U.S. -74</p> <p>U.S. -75</p> <p>U.S. -76</p> <p>U.S. -77</p> <p>U.S. -78</p> <p>U.S. -79</p> <p>U.S. -80</p> <p>U.S. -81</p> <p>U.S. -82</p> <p>U.S. -83</p> <p>U.S. -84</p> <p>U.S. -85</p> <p>U.S. -86</p> <p>U.S. -87</p> <p>U.S. -88</p> <p>U.S. -89</p> <p>U.S. -90</p> <p>U.S. -91</p> <p>U.S. -92</p> <p>U.S. -93</p> <p>U.S. -94</p> <p>U.S. -95</p> <p>U.S. -96</p> <p>U.S. -97</p> <p>U.S. -98</p> <p>U.S. -99</p> <p>U.S. -100</p> <p>U.S. -101</p> <p>U.S. -102</p> <p>U.S. -103</p> <p>U.S. -104</p> <p>U.S. -105</p> <p>U.S. -106</p> <p>U.S. -107</p> <p>U.S. -108</p> <p>U.S. -109</p> <p>U.S. -110</p> <p>U.S. -111</p> <p>U.S. -112</p> <p>U.S. -113</p> <p>U.S. -114</p> <p>U.S. -115</p> <p>U.S. -116</p> <p>U.S. -117</p> <p>U.S. -118</p> <p>U.S. -119</p> <p>U.S. -120</p> <p>U.S. -121</p> <p>U.S. -122</p> <p>U.S. -123</p> <p>U.S. -124</p> <p>U.S. -125</p> <p>U.S. -126</p> <p>U.S. -127</p> <p>U.S. -128</p> <p>U.S. -129</p> <p>U.S. -130</p> <p>U.S. -131</p> <p>U.S. -132</p> <p>U.S. -133</p> <p>U.S. -134</p> <p>U.S. -135</p> <p>U.S. -136</p> <p>U.S. -137</p> <p>U.S. -138</p> <p>U.S. -139</p> <p>U.S. -140</p> <p>U.S. -141</p> <p>U.S. -142</p> <p>U.S. -143</p> <p>U.S. -144</p> <p>U.S. -145</p> <p>U.S. -146</p> <p>U.S. -147</p> <p>U.S. -148</p> <p>U.S. -149</p> <p>U.S. -150</p> <p>U.S. -151</p> <p>U.S. -152</p> <p>U.S. -153</p> <p>U.S. -154</p> <p>U.S. -155</p> <p>U.S. -156</p> <p>U.S. -157</p> <p>U.S. -158</p> <p>U.S. -159</p> <p>U.S. -160</p> <p>U.S. -161</p> <p>U.S. -162</p> <p>U.S. -163</p> <p>U.S. -164</p> <p>U.S. -165</p> <p>U.S. -166</p> <p>U.S. -167</p> <p>U.S. -168</p> <p>U.S. -169</p> <p>U.S. -170</p> <p>U.S. -171</p> <p>U.S. -172</p> <p>U.S. -173</p> <p>U.S. -174</p> <p>U.S. -175</p> <p>U.S. -176</p> <p>U.S. -177</p> <p>U.S. -178</p> <p>U.S. -179</p> <p>U.S. -180</p> <p>U.S. -181</p> <p>U.S. -182</p> <p>U.S. -183</p> <p>U.S. -184</p> <p>U.S. -185</p> <p>U.S. -186</p> <p>U.S. -187</p> <p>U.S. -188</p> <p>U.S. -189</p> <p>U.S. -190</p> <p>U.S. -191</p> <p>U.S. -192</p> <p>U.S. -193</p> <p>U.S. -194</p> <p>U.S. -195</p> <p>U.S. -196</p> <p>U.S. -197</p> <p>U.S. -198</p> <p>U.S. -199</p> <p>U.S. -200</p> <p>U.S. -201</p> <p>U.S. -202</p> <p>U.S. -203</p> <p>U.S. -204</p> <p>U.S. -205</p> <p>U.S. -206</p> <p>U.S. -207</p> <p>U.S. -208</p> <p>U.S. -209</p> <p>U.S. -210</p> <p>U.S. -211</p> <p>U.S. -212</p> <p>U.S. -213</p> <p>U.S. -214</p> <p>U.S. -215</p> <p>U.S. -216</p> <p>U.S. -217</p> <p>U.S. -218</p> <p>U.S. -219</p> <p>U.S. -220</p> <p>U.S. -221</p> <p>U.S. -222</p> <p>U.S. -223</p> <p>U.S. -224</p> <p>U.S. -225</p> <p>U.S. -226</p> <p>U.S. -227</p> <p>U.S. -228</p> <p>U.S. -229</p> <p>U.S. -230</p> <p>U.S. -231</p> <p>U.S. -232</p> <p>U.S. -233</p> <p>U.S. -234</p> <p>U.S. -235</p> <p>U.S. -236</p> <p>U.S. -237</p> <p>U.S. -238</p> <p>U.S. -239</p> <p>U.S. -240</p> <p>U.S. -241</p> <p>U.S. -242</p> <p>U.S. -243</p> <p>U.S. -244</p> <p>U.S. -245</p> <p>U.S. -246</p> <p>U.S. -247</p> <p>U.S. -248</p> <p>U.S. -249</p> <p>U.S. -250</p> <p>U.S. -251</p> <p>U.S. -252</p> <p>U.S. -253</p> <p>U.S. -254</p> <p>U.S. -255</p> <p>U.S. -256</p> <p>U.S. -257</p> <p>U.S. -258</p> <p>U.S. -259</p> <p>U.S. -260</p> <p>U.S. -261</p> <p>U.S. -262</p> <p>U.S. -263</p> <p>U.S. -264</p> <p>U.S. -265</p> <p>U.S. -266</p> <p>U.S. -267</p> <p>U.S. -268</p> <p>U.S. -269</p> <p>U.S. -270</p> <p>U.S. -271</p> <p>U.S. -272</p> <p>U.S. -273</p> <p>U.S. -274</p> <p>U.S. -275</p> <p>U.S. -276</p> <p>U.S. -277</p> <p>U.S. -278</p> <p>U.S. -279</p> <p>U.S. -280</p> <p>U.S. -281</p> <p>U.S. -282</p> <p>U.S. -283</p> <p>U.S. -284</p> <p>U.S. -285</p> <p>U.S. -286</p> <p>U.S. -287</p> <p>U.S. -288</p> <p>U.S. -289</p> <p>U.S. -290</p> <p>U.S. -291</p> <p>U.S. -292</p> <p>U.S. -293</p> <p>U.S. -294</p> <p>U.S. -295</p> <p>U.S. -296</p> <p>U.S. -297</p> <p>U.S. -298</p> <p>U.S. -299</p> <p>U.S. -300</p> <p>U.S. -301</p> <p>U.S. -302</p> <p>U.S. -303</p> <p>U.S. -304</p> <p>U.S. -305</p> <p>U.S. -306</p> <p>U.S. -307</p> <p>U.S. -308</p> <p>U.S. -309</p> <p>U.S. -310</p> <p>U.S. -311</p> <p>U.S. -312</p> <p>U.S. -313</p> <p>U.S. -314</p> <p>U.S. -315</p> <p>U.S. -316</p> <p>U.S. -3</p> |
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR
Julian Ard

3. ADDRESS OF OPERATOR
303 Main Street, Ft. Worth, TX 76102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL-2310' FEL Sec. 23-20-33
AT TOP PROD. INTERVAL: 8420'
AT TOTAL DEPTH: P.B.T.D. 10110'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☒
☐

5. LEASE

NM 29704

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

South Teas Federal

9. WELL NO.

#1

10. FIELD OR WILDCAT NAME

Bone Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 23-T20S-R33E

12. COUNTY OR PARISH

Lea

13. STATE

NM

14. API NO.

15. ELEVATIONS (SHOW OF, KDB, AND WD)
3617 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5-6-85 Displace w/225 bbl. 2% KCL water, kill well.

5-7-85 Nipple up B.O.P. Release anchor, pull 2 3/8 tbg. Rig up weler.
Set C.I.B.P. @ 10110'. Perforate 9890-9910 21 holes, 9803-9810 8 holes,
9790-9796 7 holes.

5-8-85 -0- P.S.I. on csg. Run Howes Rtts Packer in hole to 9982'. Press
up on C.I.B.P. 1000 P.S.I. Held O.K. Spot 3 bbl. 15% N.E.F.E. acid 9786'
to 9910'. Pull packer to 9738', set same, press csg. to 2000 P.S.I.
Acidize w/5500 gal. 15% N.E.F.E. acid. Ball out all perfs. Open. Swab back
40 bbl. load water, trace oil. Gas swab dry. Close we.l in for day.

Continued on back.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED J. E. Dennis TITLE Prod. Supt. DATE 3-23-86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

EXHIBIT 4

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

5-9-85 Tbg. Press 20 P.S.I. csg. 500 P.S.I.
Fluid level 8800'. Run swab to S/N 9738 4 bbl. black water.

5-10-85 Csg. -0- P.S.I. Rig up Welex. Perforate 9688'-9692' 5 holes, 9590'-9600' 11 holes. Total 11 holes 4" csg. gun. Trip in w/Rtts Packer to 9762. Set R.B.P. Press up on R.B.P. 2000 P.S.I. Held O.K. Spot 3 bbl. 15% N.E.F.E. on Perfs. Pull Packer to 9515. Set same. Press csg. 2000 P.S.I. Treat perfs. via 2 3/8 tbg. w/3000 gal. 15% N.E.F.E. Ball out all holes open. Flow well down. Recover 6 bbl. H2O load. Close well in for day.

5-11-85 Tbg. press 1500 csg. 1500 P.S.I. 6 pen tbg. Press stied down to -0- P.S.I. 1 min. 135 bbl. load to recover start swabing 44 bbl. load. Recover show oil-gas T.S.T.M.

5-12-85 Sunday, shut down.

5-13-85 Tbg. 500 P.S.I. csg. -0- No fluid @ surface. Fluid level 6000' Swab 9 bbl. oil-gas cut H2O.

5-14-85 Tbg. 450 P.S.I. csg. -0-. Unseat Packer. Move R.B.P. to 9520'. Set same. Rig up Welex. Perforate tbg. gun 9425-9434 20 holes, 9412-9420 18 holes. 9394-9402 18 holes. Total 56 holes. Run R.M.S. below bottom perf. Set Press up on R.B.P. 2000 P.S.I. Held O.K. Pull R.T.T.S. to 9295'. Set same. Press csg. 2000 P.S.I. Acidize via tbg. 5500 gal. 15% H.E.F.E.

5-15-85 Tbg. 700 P.S.I. csg. -0- Flow Press off tbg. Start swabing. Swab 37 bbl. oil-gas cut H2O.

5-16-85 Tbg. Press 100 P.S.I. csg. -0- Swab dry 8 bbl. oil-gas cut H2O. Close well in.

5-17-85 Tbg. -0- Csg. -0- Move R.B.P. to 9295'. Set same. Pressup held O.K. 3000 P.S.I. Pull R.T.T.S. 8170. Set same. Perf. 8848 to 8860 26 holes, 8623 to 8634 24 holes, 8420 to 8426 14 holes, 64 holes total. Treat perfs. w/10000 gal. 15% N.E.F.E. Start flow back. Recover 65 bbl. oil - gas cut H2O.

5-18-85 Tbg. 400 P.S.I. Csg. -0- Swab 10 bbl. oil - gas cut H2O. Well dead. Move unit off.

ROSWELL DISTRICT

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
Julian Ard

3. ADDRESS OF OPERATOR
P O Box 17360 Fort Worth, TX 76102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL & 2310' FEL
AT TOP PROD. INTERVAL: 11,598'
AT TOTAL DEPTH: 14,316'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☒
☐

5. LEASE

NM 29704

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

South Teas Federal

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Wolfcamp - Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 23, T20S, R33E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3617'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2-24-84 Perf with Welex from 13,892' to 13,980', 4 shots per foot, total 64 holes.

2-25-84 Breakdown formation at 4500 PSI, spot acid, 3.5 bbls at .3 bbls per minute for injection rate. Total 150 units 7.5% MS acid.

2-26-84 Acidize with 2000 gallons 7.5% MS acid. Injection rate 1.2 bbls per minute.

3-36-84 Perf with Welex 13,826', 827', 828'. Shot 6 holes, 2 shots per foot. Put well on tester.

3-31-84 Perf at 13,783' & 13,784', 2 shots per foot total 4 holes.

4-01-84 thru 4-5-84 Swabb & test

4-06-84 Perforate 13,556', 557', 558' & 559'. 2 holes per foot, 8 holes. Shot Continued on back

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Nancy Holley

TITLE AGENT

DATE 5-22-84

ACCEPTED FOR RECORD

(Time space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

MAY 23 1984

Carlsbad

NEW MEXICO

Instructions on Reverse Side

EXHIBIT 4

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

- 4-06-84 Second zone 13,526' to 13,540', 2 shots per foot. Total 36 holes for the two zones. Start swabbing running good flare throughout all swabbing operations.
- 4-13-84 Rig up Western Co. to acidize via tubing with 9000 gallons 7½% MS & spearhead acid. 3000 gallons to stage with 3 stages. ISDP 6700 PSI, FSIP 5850 PSI. Rate of injection 4.6 bbls per minute + 1.5 bbls N₂. Swab & test.
- 4-25-84 Ran a bottom hole pressure bomb with 108 hour clock into well. Shut well in for BH pressure test.
- 5-02-84 Results of BH pressure test. Flowing pressure 1286 PSI. Built up pressure reached 3586 PSI. Weight of fluid .457 PSI per foot.
- 5-09-84 Rig up Welex to perf at 13,501', 502', 503', 504', 505', 506'. 12 holes, 2 shots per foot. Swab & test.
- 5-17-84 Well averaging 54.8 bbls water, 9.2 bbls condensate, and 276 MCF gas per day.
- 5-19-84 Rig up Welex to perf 2 shots per foot at 13,444', 445', 446', 447', 448', 449', 450', 451', 452'. Total 18 holes. Test thru gas separator - 138 MCF gas per day, 29.1 bbls water and 7.2 bbls condensate.

ROSWELL DISTRICT COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐

2. NAME OF OPERATOR

Julian Ard (335-3715)

3. ADDRESS OF OPERATOR

P O Box 17360, Ft. Worth, TX 76102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1980' FNL & 2310' FEL

AT TOP PROD. INTERVAL: 11,598'

AT TOTAL DEPTH: 14,316'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒
☐

5. LEASE

NM 29704

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

South Teas Federal

9. WELL NO.

10. FIELD OR WILDCAT NAME

Wolfcamp - Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 23, T20S, R33E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3617' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

02-21-84 Hot oil well & clean up

02-22-84 Rig up Clarke Oil Well Service pulling unit. Nipple up hydraulic BOP. Release tbg. anchor. Pull tbg. Strap tbg. out of hole 388 jts. 2 3/8" EUE 4.70# N80.

02-23-84 Pick up bit and 4 drill collars. Trip in hole with tubing. Tagged up on bridge plug @ 13,509'. Drill out cement fill, displace hole with 10# brine water to top of bridge plug. Drill out bridge plug. Circulate hole clean

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Nancy Holley

TITLE Prod. Agent

DATE Feb 24, 1984

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL JUN 1 1984

TITLE

DATE

Carlsbad, NEW MEXICO • See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well
-
2. NAME OF OPERATOR
Julian Ard
-
3. ADDRESS OF OPERATOR
P O Box 17360, Fort Worth, TX 76102
-
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL & 2310' FEL
AT TOP PROD. INTERVAL: 11,598'
AT TOTAL DEPTH: 14,316'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

| | |
|----------------------|-------------------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> |
| CHANGE ZONES | <input checked="" type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> |
| (other) | |

SUBSEQUENT RECORD:

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

RECEIVED
NOV 30 1983
U.S. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
U.S. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

5. LEASE
NM 29704
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
South Teas Federal
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Wolfcamp - Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR
AREA
Sec. 23, T20S, R33E
12. COUNTY OR PARISH | 13. STATE
Lea | New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Move onto location approximately Dec. 28, with Parks Well Service Unit. Stage 1 will consist of drilling out the bridge plug at 13,519' and retest the Morrow sand @ 13,890' - 910'. This will include 10 perforations and treating the zone with 2500 gallons of 20% HCL acid. We estimate this will take 6 days. If unsuccessful with stage 1, we propose to perform stage 2 to 5 as follows:

Stage 2 - Perforate 10 holes & test zone 13,826'-830' & 13,782'-786' approx.6 day
 Stage 3 - Perforate 10 holes & test zone 13,618'-622' & 13,555'-562' approx.6 day
 Stage 4 - Retest zone 13,524' - 542' with 2500 gals. 20% HCL acid -approx. 6 days
 Stage 5 - Perforate 10 holes & test zone 13,498' - 518' approx. 6 days.
 Treatment in each stage will consist of 2500 gals. of 20% HCL acid.

Continued on back

Subsurface Safety Valve: Manu. and Type n/a Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Director DATE 11-18-83

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE _____ DATE 12/1/83
CONDITIONS OF APPROVAL, IF ANY _____

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

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If no commercial production is found in stage 1 thru 5, we will take a poll from the working interest owners on testing the following zones:

Set bridge plug at 13,519' - 524'
Morrow - 13,444' - 464'
Strawn - 12,464' - 525'
Wolfcamp - 11,688' - 914'
Wolfcamp - 11,468' - 590'
Wolfcamp - 10,618' - 762'
Wolfcamp - 10,194' - 198' & 10,473' - 512'
Bone Springs 9,590' - 9,900'
Bone Springs 9,386' - 9,470'
Bone Springs 8,846' - 9,260'
Bone Springs 8,420' - 8,560'

If these zones are not tested, we would go back to our current producing Wolfcamp zone at 11,598' - 605' and reestablish production hopefully at the average of 10 bbls a day of oil, as we are producing now.

C CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

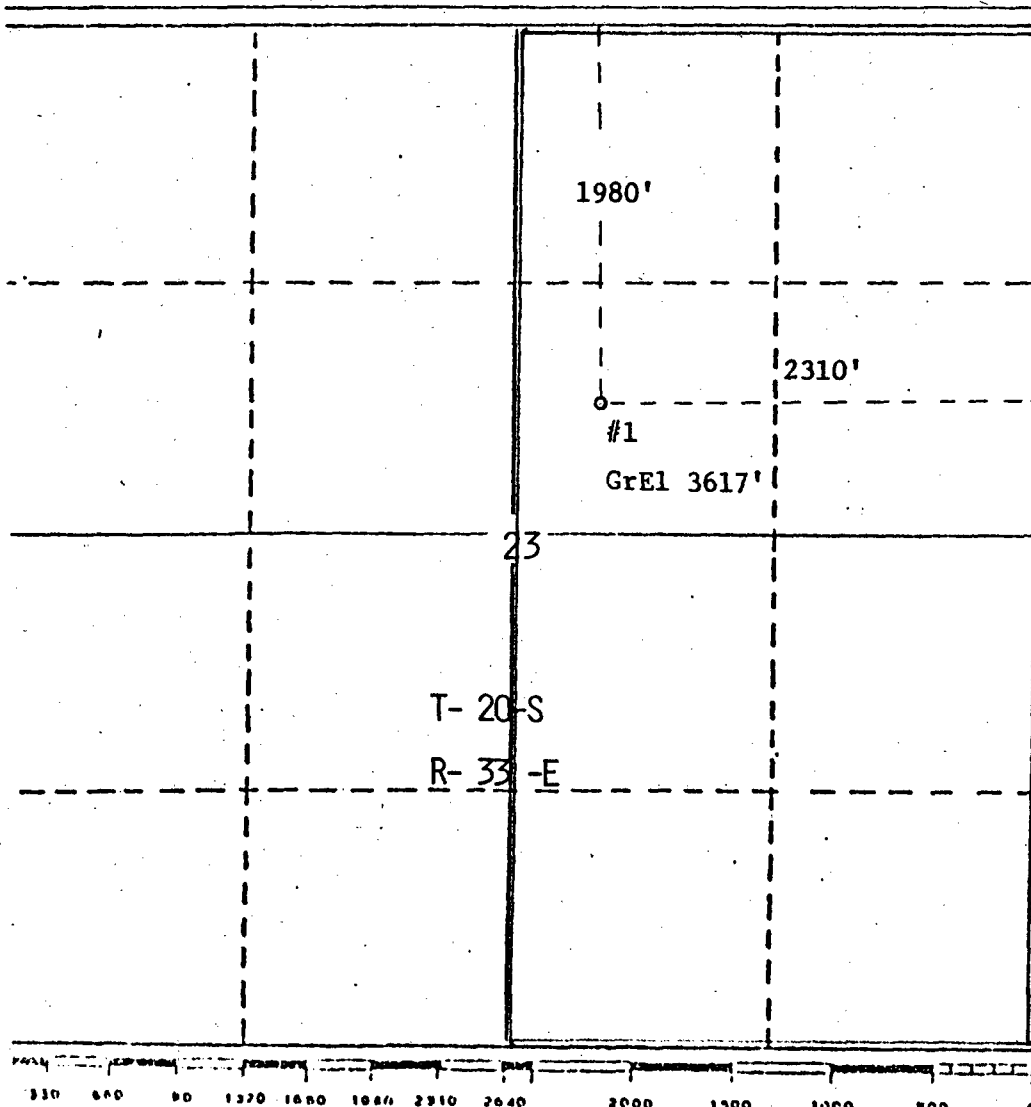
| | | | | | | | | |
|-------------------------------------------|----------------------|--------------------------------------|------------------------------------|------------------------|--|----------------------------------------|--|------|
| Operator JULIAN ARD OIL COMPANY | | | Lease SOUTH TEAS FEDERAL | | | Well No. 1 | | |
| Unit Letter G | Section 23 | Township 20S | Range 33E | County LEA | | | | |
| Actual Footage Location of Well: | | | | | | | | |
| 1980 | | feet from the NORTH | | line and 2310 | | feet from the EAST | | line |
| Ground Level Elev. 3617' | | Producing Formation MORROW | | Pool WILDCAT | | Dedicated Acreage: 320 Acres | | |

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). Supron Energy Corp-W.I. 70%, Edward R. Hudson-W.I. 8.75%, Julian Ard-W.I. 8.75%, Nortex-W.I. 12.50%
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Force-Pooling

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

Name
Julian Ard

Position
Owner

Company
Julian Ard

Date
1-28-82

I hereby certify that the information shown on this plat and the field notes and maps are true and correct to the best of my knowledge and belief.



JANUARY
Date Surveyed
W.D. Watson, Jr.
Registered Professional Engineer
and/or Land Surveyor

W.D. WATSON, JR

Certificate No.
3959

C CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501

'AMENDED'

Form C-103
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

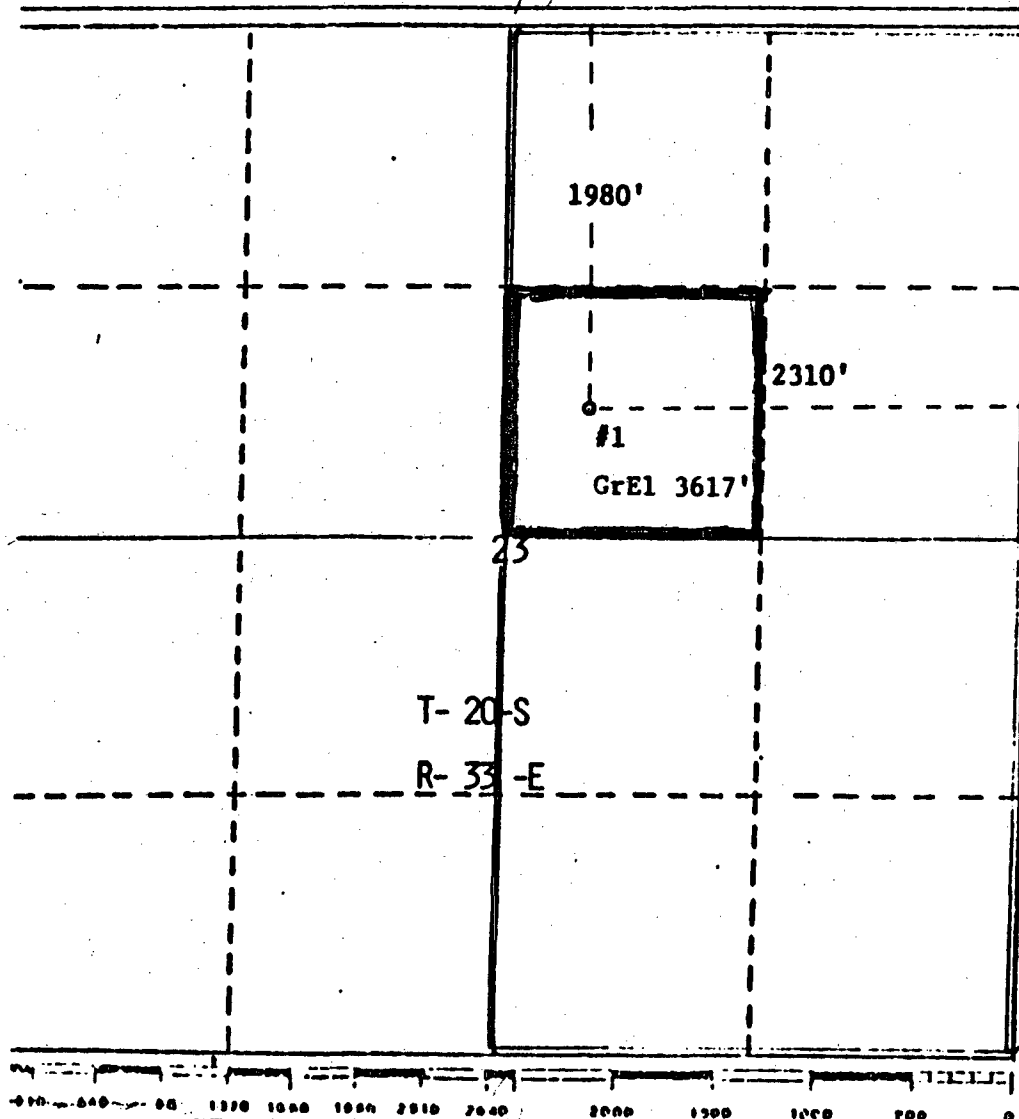
| | | | | | | | | |
|----------------------------------|----------------------------------------|------------------------|------------------------------------|----------------------|-------------|--------------------------------------|-------------|------|
| Owner JULIAN ARD | | | Lesse SOUTH TEAS FEDERAL | | | Well No. 1 | | |
| Well Letter G | Section 23 | Township 20S | Range 33E | County LEA | | | | |
| Well Location Location of Well: | | | | | | | | |
| 1980 | | feet from the | NORTH | line and | 2310 | feet from the | EAST | line |
| Well Level Elev. 3617' | Producing Formation WOLFCAMP | | Pool WILDCAT | | | Dedicated Acreage 40 Acres | | |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

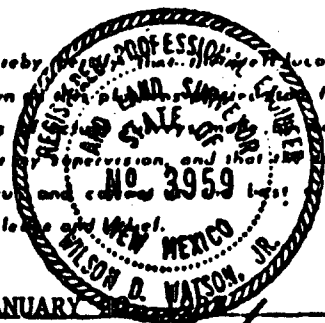


CERTIFICATION

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

Name Julian Ard
Position Owner
Company Julian Ard
Date 3-16-83

I hereby certify that the information shown on this plat and survey field notes is true and correct and that the same is true and correct to the best of my knowledge and belief.



JANUARY
Date Surveyed _____
Registered Professional Engineer and/or Land Surveyor

W.D. WATSON, JR.

Certificate No.
3959

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2008

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-

All distances must be from the outer boundaries of the Section.

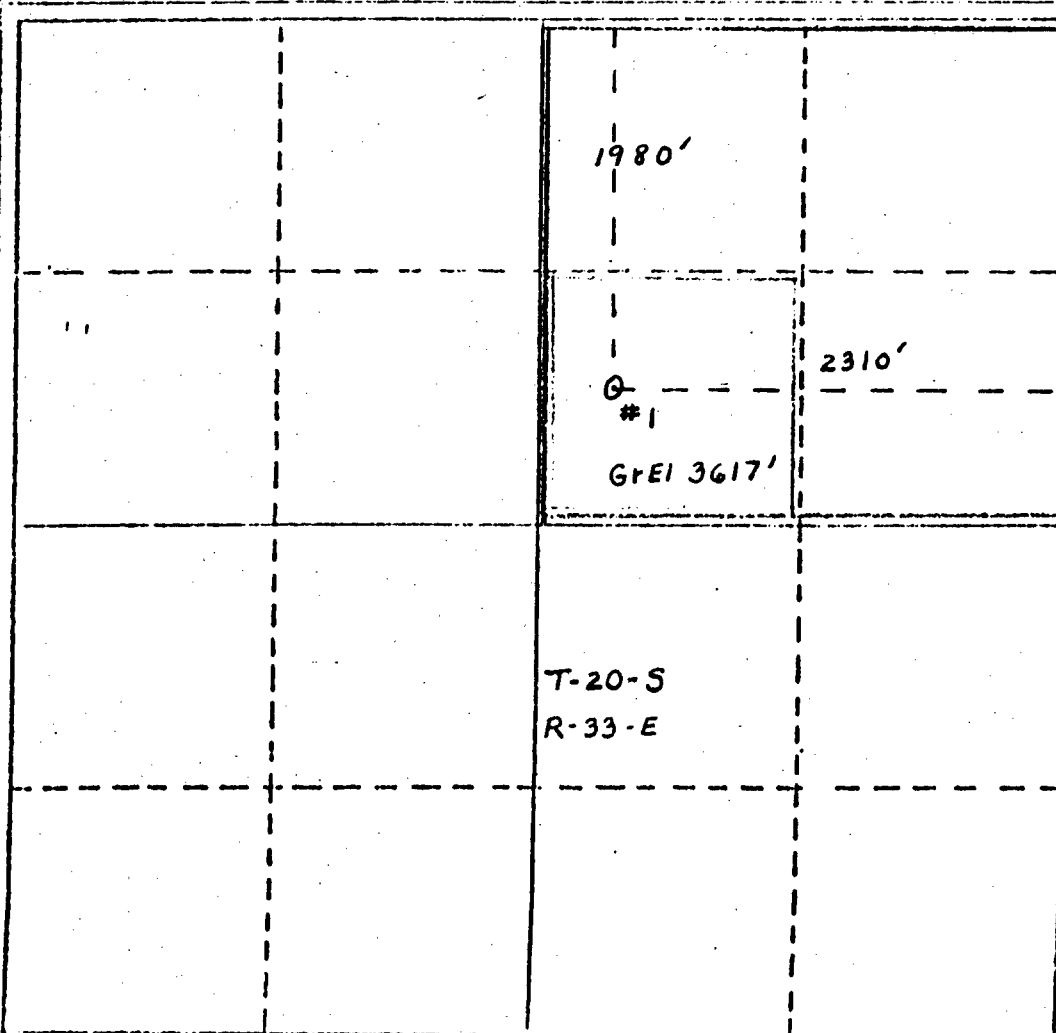
| | | | | |
|------------------------------------|--------------------------------------------|------------------------------------|---------------------------------------|----------------------|
| Operator JULIAN ARD | | Lease SOUTH TEAS FEDERAL | | Well No. 1 |
| Unit Letter G | Section 23 | Township 20S | Range 33E | County LEA |
| Actual Footage Location of Well: | | | | |
| 1980 feet from the NORTH | | 2310 feet from the EAST | | Line |
| Ground Level Elev. 3617' | Producing Formation BONE SPRINGS | Pool WILDCAT | Dedicated Acreage: 40 Acres | |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plot 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

Name

JULIAN ARD

Position

OWNER

Company

JULIAN ARD

Date

April 10, 1986

I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

110 100 90 80 70 60 50 40 30 20 10 0

MORROW

Tested in April, 1984; averages for several days:

Production 200+- M.C.F.D.
7+- Oil
7+- H2O

Morrow Perforations:

| | |
|-----------------|-----------|
| 13,526 - 13,540 | 14 holes |
| 13,783 - 13,784 | 2 " |
| 13,582 - 13,583 | 2 " |
| 13,856 - 13,859 | 128 holes |
| 13,890 - 13,908 | |

Treated with 15,750 gal. of 7 1/2 % Morrow Sand Acid.
Average treating pressure - 7,400 P.S.I.

WOLFCAMP

Tested in May, 1984; averages for several days:

Production 100+- M.C.F.D.
6+- Oil
1+- H2O

Wolfcamp Perforations:

| | |
|-----------------|----------|
| 11,598 - 11,605 | 16 holes |
|-----------------|----------|

Treated with 8,000 gal. of 15 % D.S. 30 with XR - 2L.
Average treating pressure - 5,766 P.S.I.

BONE SPRINGS

Last tested on December 28, 1986; test production:

Production 1+- B.O.P.D.
0 H2O
50+- M.C.F.D.

Bone Springs Perforations:

| | |
|---------------|----------|
| 9,790 - 9,910 | 36 holes |
| 9,688 - 9,692 | 5 " |
| 9,590 - 9,600 | 11 " |
| 9,394 - 9,434 | 56 " |
| 8,820 - 8,860 | 64 " |

Treated with 27,500 gal. of 15 % N.E.F.E. HCl.
Average treating pressure - 5,000 P.S.I.

TEST DATE: APRIL 25 to MAY 2, 1984
TEST DEPTH: 13,717 FEET

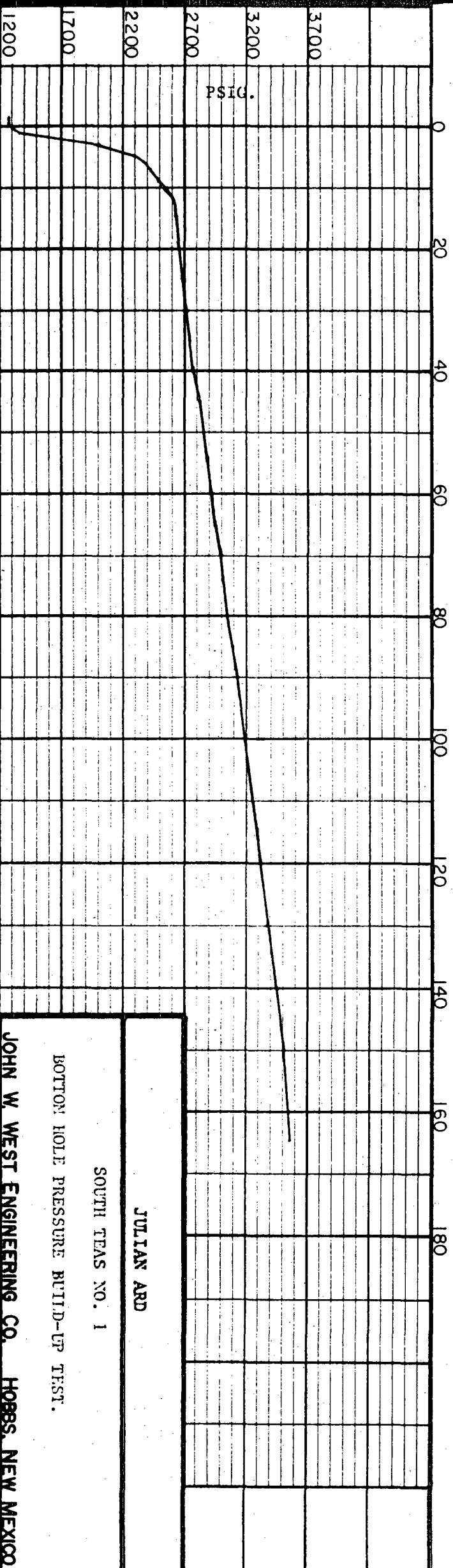
EXHIBIT 8a

ELEMENT NO: 20203
RANGE: 0-10,000 PSI
CLOCK NO: H-18360
RANGE: 0-180 Hours

NOTE: See tabulation of times and pressures on attached sheet.

NOTE: CLOCK STOPPED ON SECOND BOMB AND CHART COULD NOT BE READ.

TIME IN HOURS



JULIAN ARD

SOUTH TEAS NO. 1

BOTTOM HOLE PRESSURE BUILD-UP TEST.

JOHN W. WEST ENGINEERING CO. HOBBBS, NEW MEXICO

Date: 5-2-84 Drawn by: bsn Scale: as shown

JULIAN ARD
SOUTH TEAS NO. 1
BOTTOM HOLE PRESSURE BUILD-UP TEST
TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
JOHN WEST ENGINEERING COMPANY

TEST DATE: APRIL 25 to May 2, 1984
TEST DEPTH: 13,717 FEET
ELEMENT NO: 20203 (0-10,000 Feet)
OPERATOR: B.T.

| <u>DATE</u> | <u>TIME</u> | <u>CUM HRS./MIN.</u> | <u>PSIG @ 13,717 FEET</u> |
|-------------|-------------|----------------------|-------------------------------------------|
| 4-25-84 | 12:00 Noon | | 1286 Gauge reached 13,717 feet flowing |
| | 1:00 P.M. | 00 Hrs. 00 Min. | 1286 Shut-In, Begin Build-Up |
| | 1:30 P.M. | 00 30 | 1311 |
| | 2:00 P.M. | 01 00 | 1378 |
| | 2:30 P.M. | 01 30 | 1709 |
| | 3:00 P.M. | 02 00 | 1791 |
| | 3:30 P.M. | 02 30 | 1923 |
| | 4:00 P.M. | 03 00 | 2005 |
| | 4:30 P.M. | 03 30 | 2077 |
| | 5:00 P.M. | 04 00 | 2164 |
| | 5:30 P.M. | 04 30 | 2236 |
| | 6:00 P.M. | 05 00 | 2308 |
| | 6:30 P.M. | 05 30 | 2374 |
| | 7:00 P.M. | 06 00 | 2395 |
| | 7:30 P.M. | 06 30 | 2415 |
| | 8:00 P.M. | 07 00 | 2436 |
| | 8:30 P.M. | 07 30 | 2477 |
| | 9:00 P.M. | 08 00 | 2467 |
| | 9:30 P.M. | 08 30 | 2482 |
| | 10:00 P.M. | 09 00 | 2497 |
| | 10:30 P.M. | 09 30 | 2523 |
| | 11:00 P.M. | 10 00 | 2554 |
| 4-25-84 | 11:30 P.M. | 10 30 | 2585 |
| 4-26-84 | 12:00 M.N. | 11 00 | 2595 |
| | 12:30 A.M. | 11 30 | 2615 |
| | 1:00 A.M. | 12 00 | 2631 |
| | 1:30 A.M. | 12 30 | 2626 |
| | 2:00 A.M. | 13 00 | 2626 |
| | 3:00 A.M. | 14 00 | 2631 |
| | 4:00 A.M. | 15 00 | 2641 |
| | 5:00 A.M. | 16 00 | 2651 |
| | 6:00 A.M. | 17 00 | 2662 |
| | 7:00 A.M. | 18 00 | 2667 |
| | 8:00 A.M. | 19 00 | 2667 |
| | 9:00 A.M. | 20 00 | 2672 |
| | 2:00 P.M. | 25 00 | 2692 |
| 4-26-84 | 7:00 P.M. | 30 00 | 2723 |
| 4-27-84 | 12:00 A.M. | 35 00 | 2754 |
| | 5:00 A.M. | 40 00 | 2790 |
| | 10:00 A.M. | 45 00 | 2831 |
| | 3:00 P.M. | 50 00 | 2872 |
| 4-27-84 | 8:00 P.M. | 55 00 | 2897 |
| 4-28-84 | 1:00 A.M. | 60 00 | 2938 |
| | 6:00 A.M. | 65 00 | 2959 |
| | 11:00 A.M. | 70 00 | 3000 |
| 4-28-84 | 9:00 P.M. | 80 00 | 3066 |
| 4-29-84 | 7:00 A.M. | 90 00 | 3131 |
| 4-29-84 | 5:00 P.M. | 100 00 | 3192 |
| 4-30-84 | 3:00 A.M. | 110 00 | 3263 |
| | 1:00 P.M. | 120 00 | 3328 |
| 4-30-84 | 11:00 P.M. | 130 00 | 3389 |
| 5-01-84 | 9:00 A.M. | 140 00 | 3444 |
| 5-01-84 | 7:00 P.M. | 150 00 | 3505 |
| 5-02-84 | 5:00 A.M. | 160 00 | 3556 |
| 5-02-84 | 9:45 A.M. | 164 45 | 3586 off bottom, end of test. |

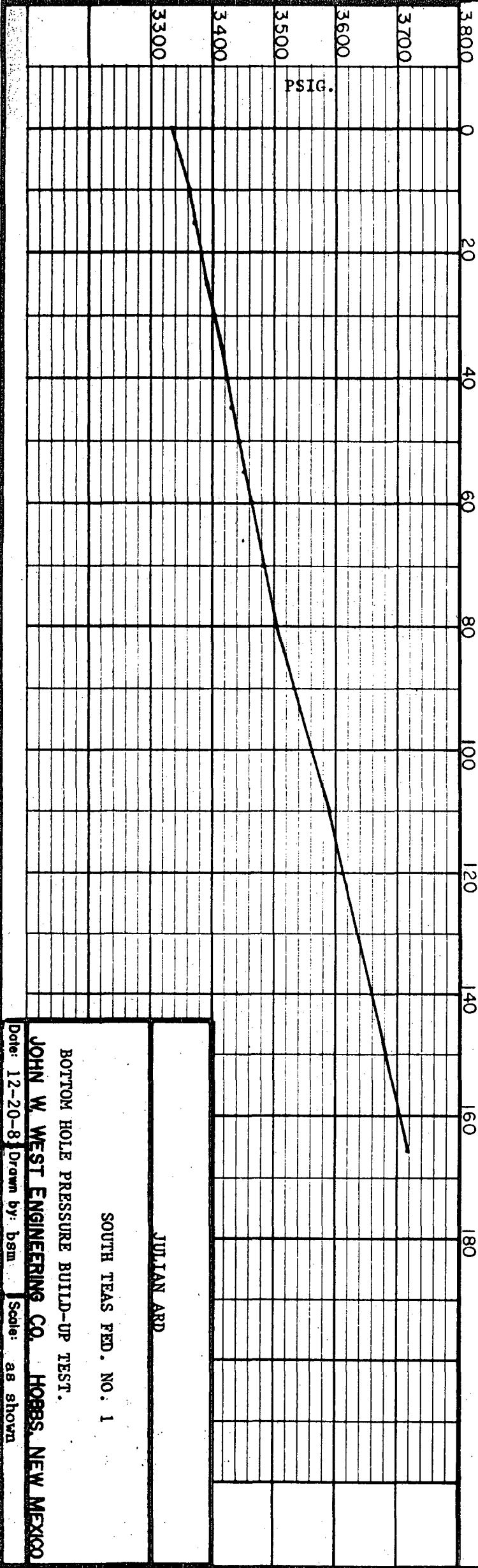
EXHIBIT 8b

TEST DATE: DECEMBER 12 to 19, 1983
TEST DEPTH: 11,790 FEET

ELEMENT NO: 18715
RANGE: 0-4500 PSI
CLOCK NO: 22664
RANGE: 0-180 Hours

NOTE: See tabulation of times and pressures on attached sheet.

TIME IN HOURS



JULIAN ARD
 SOUTH TEAS FED. NO. 1
 BOTTOM HOLE PRESSURE BUILD-UP TEST
 TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
 JOHN WEST ENGINEERING CO.

TEST DATE: DEC. 12 to 19, 1983
 TEST DEPTH: 11,790 FEET
 ELEMENT NO: 18715 (0-4500 psi)
 OPERATOR: T.B.

| <u>DATE</u> | <u>TIME</u> | <u>CUM HRS./MIN.</u> | <u>PSIG @ 11,790 FEET</u> |
|-------------|-------------|----------------------|-------------------------------|
| 12-12-83 | 10:30 A.M. | 00 Hrs. 00 Min. | 3335 gauge reached 11,790' |
| | 3:30 P.M. | 05 00 | 3353 |
| 12-12-83 | 8:30 P.M. | 10 00 | 3364 |
| 12-13-83 | 1:30 A.M. | 15 00 | 3373 |
| | 6:30 A.M. | 20 00 | 3384 |
| | 11:30 A.M. | 25 00 | 3393 |
| | 4:30 P.M. | 30 00 | 3404 |
| 12-13-83 | 9:30 P.M. | 35 00 | 3415 |
| 12-14-83 | 2:30 A.M. | 40 00 | 3424 |
| | 7:30 A.M. | 45 00 | 3433 |
| | 12:30 P.M. | 50 00 | 3444 |
| | 5:30 P.M. | 55 00 | 3453 |
| 12-14-83 | 10:30 P.M. | 60 00 | 3464 |
| 12-15-83 | 8:30 A.M. | 70 00 | 3484 |
| 12-15-83 | 6:30 P.M. | 80 00 | 3504 |
| 12-16-83 | 4:30 A.M. | 90 00 | 3533 |
| 12-16-83 | 2:30 P.M. | 100 00 | 3562 |
| 12-17-83 | 12:30 A.M. | 110 00 | 3591 |
| | 10:30 A.M. | 120 00 | 3613 |
| 12-17-83 | 8:30 P.M. | 130 00 | 3638 |
| 12-18-83 | 6:30 A.M. | 140 00 | 3660 |
| 12-18-83 | 4:30 P.M. | 150 00 | 3682 |
| 12-18-83 | 2:30 A.M. | 160 00 | 3707 |
| 12-18-83 | 8:30 A.M. | 166 00 | 3718 off bottom, end of test. |

NOTE: When chart was read the first time the wrong scale was used for time.

GAS - OIL RATIO TESTS

| | | | | | | | | | | | |
|------------|--|------------------------------------------|--|----------|--|--------------|--|--------------------|--|-----------------------------------------------|--|
| Operator | | JULIAN ARD | | Pool | | WILDCAT | | County | | LEA | |
| Address | | 303 Main Street, Fort Worth, Texas 76102 | | | | | | Type of Test - (X) | | Scheduled <input checked="" type="checkbox"/> | |
| LEASE NAME | | WELL NO. | | LOCATION | | DATE OF TEST | | CHOKE SIZE | | TBG. PRESS. | |
| | | U | | S | | T | | R | | | |
| | | 1 | | G | | 23 | | 20 | | 33 | |
| | | | | | | 4-20-84 | | F | | 2" | |
| | | | | | | | | 54 | | Test | |
| | | | | | | | | | | 24 | |
| | | | | | | | | | | 7.6 | |
| | | | | | | | | | | 51.4 | |
| | | | | | | | | | | 7.2 | |
| | | | | | | | | | | 138 | |
| | | | | | | | | | | 20 - 1 | |

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 331 and appropriate pool rules.

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

Daniel Bogdan
(Signature)
Production Clerk

January 14, 1987
(Title)

EXHIBIT 7

LEA

Specimen

(Title)
January 14, 1987.



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

TONEY ANAYA
GOVERNOR

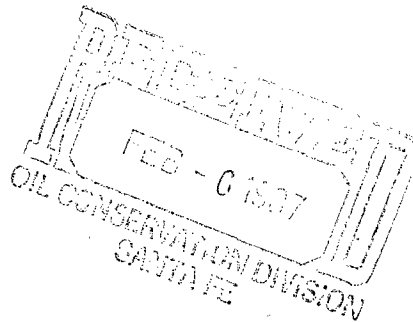
February 2, 1987

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

| | |
|-----|----|
| MC | |
| DHC | XX |
| NSL | |
| NSP | |
| SWD | |
| WFX | |
| PMX | |



Gentlemen:

I have examined the application for the:

| | | |
|------------|-------------------------|----------|
| Julian Ard | South Teas Federal #1-G | 23-20-33 |
| Operator | Lease & Well No. Unit | S-T-R |

and my recommendations are as follows:

OK -- Jerry Sexton

Yours very truly,

Jerry Sexton
Supervisor, District 1

/mc