



OIL CONSERVATION DIVISION
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OFFICES IN:
Avon, CT
Denver, CO
Midland, TX

SUBSIDIARIES:
Avon Energy Corporation
Cimarron Petroleum Corporation
Levinson Partners Corporation

July 2, 1991

Mr. Michael E. Stogner
State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Unorthodox Well Locations
Turner "B" Lease
Sections 20 & 29,
Twp. 17 S., Rge. 31 E., NMPM
Grayburg-Jackson Pool
Eddy Co., New Mexico

Dear Mr. Stogner:

In accordance with our telephone conversation of last week, attached is a copy of the notice sent to Socorro Petroleum Company in regard to the captioned unit.

As we discussed, Socorro was the farmee on the wells we recently drilled, having retained a 25% Working Interest convertible to a 52% After-Payout Interest. I have discussed with them the execution of the waiver and they will return it as soon as possible.

Thank you for your assistance. If there is anything further that we need to do, please let me know.

Sincerely,

AVON ENERGY CORPORATION

Keaton Barker

Keaton Barker
Land Manager

DKB:ss

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

June 12, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Avon Energy Corporation
c/o Alta Energy Corporation
415 West Wall, Suite 1810
Midland, TX 79701

Attention: Mitchell L. Solich

*RE: Unorthodox oil well locations, ~~Turner "B" Lease~~, Sections
20 and 29, Township 17 South, Range 31 East, NMPM,
Grayburg-Jackson Pool, Eddy County, New Mexico.*

Dear Mr. Solich:

On June 11, 1991, I received eight applications for unorthodox oil well locations to permit the completion of an efficient production/injection pattern within Avon's Turner "B" Lease Waterflood Project. The applications for Well Nos. 88, 92, 93 and 96 are currently being processed as Division Administrative Order NSL-3018. At this time, however, I can not process the applications for Well Nos. 94, 95, 97 and 98, which are indeed unorthodox pursuant to Division General Rule 104.F.I. It appears from the land plat submitted with each filing and pursuant to General Rule 104.F.III. that the dedicated 40-acre tract for each of the four wells offsets acreage controlled by parties other than Avon or Alta. Please provide adequate notice to these offsetting parties pursuant to Rule 104.F.IV. Also, submit copies of such notice to me so that I may start the required 20-day waiting period provided for by General Rule 104.F.IV. without further delay.

Should you have any questions concerning the processing of these eight filings or on any future filings, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", written over a horizontal line.

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/ag

cc: Oil Conservation Division - Artesia
US Bureau of Land Management - Carlsbad



OIL CONSERVATION DIVISION
RECEIVED

'91 JUN 12 09 10 22

June 11, 1991

New Mexico Oil Conservation Division
Attn: Mr. Michael E. Stogner
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Avon Energy Corporation
Administrative Application For
Unorthodox Well Location In A
Leasehold Waterflood Project,
Turner "B" Federal Well No. 94

Dear Mr. Stogner:

Avon Energy Corporation (a wholly owned subsidiary of Alta Energy Corporation), successor to Socorro Petroleum Company, as operator of the Turner "B" leasehold waterflood project previously approved by Division Order R-3528 (copy enclosed) requests administrative approval of the following unorthodox well location:

~~Turner "B" Federal Well No. 94~~

~~Unit 1, Section 29, T-17-S, R-31-E~~

Eddy County, New Mexico

Location: 1350 FSL & 1200 FEL

The Turner "B" leasehold waterflood project is currently being developed with infill wells using a 20 acre well density. The subject well is one of those wells and is located in the interior of the unit and is not competitive with offsetting wells outside the unit.

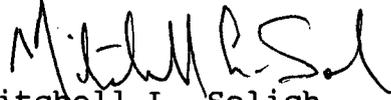
Enclosed is a copy of a plat showing the boundary of the waterflood. Also enclosed is a copy of the Form C-101 and C-102.

We believe that the infill development using the 20 acre density will improve waterflood sweep efficiency and will increase secondary oil recovery.

Because the well is not located within 330 feet to any other boundary, we believe no notification to offsetting operators is required.

Please do not hesitate to call me at either 303-825-0714 or 915-683-5449 should you have any questions or need any further information.

Very truly yours,

A handwritten signature in black ink, appearing to read "M. L. Solich". The signature is written in a cursive style with a large initial "M" and "L".

Mitchell L. Solich
Sr. V.P. & Chief Operating Officer

MLS/ssj

Enclosure

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. 3885
Order No. R-3528

APPLICATION OF SINCLAIR OIL & GAS
COMPANY FOR A WATERFLOOD EXPANSION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on October 9, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 22nd day of October, 1968, 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 the applicant, Sinclair Oil Corporation, formerly Sinclair Oil & Gas Company, seeks permission to expand its Turner "B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson Pool by the injection of water into the Premier Sand of the Grayburg formation through 12 additional injection wells in Sections 20, 29, and 30, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed expansion of the Turner "B" Grayburg-Jackson Waterflood Project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

CASE No. 3885
Order No. R-3528

(5) That the subject application should be approved and the expanded project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Sinclair Oil Corporation, formerly Sinclair Oil & Gas Company, is hereby authorized to expand its Turner "B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson Pool by the injection of water into the Premier Sand of the Grayburg formation through the following-described wells in Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico:

| LEASE | WELL NO. | UNIT | SECTION |
|---------------|----------|------|---------|
| Turner "B" SP | 44 | N | 20 |
| Turner "B" SP | 46 | P | 20 |
| Turner "B" SP | 47 | B | 29 |
| Turner "B" SP | 50 | D | 29 |
| Turner "B" SP | 54 | F | 29 |
| Turner "B" SP | 55 | H | 29 |
| Turner "B" SP | 61 | J | 29 |
| Turner "B" SP | 64 | L | 29 |
| Turner "B" SP | 66 | N | 29 |
| Turner "B" SP | 68 | P | 29 |
| Turner "B" SP | 56 | J | 30 |
| Turner "B" SP | 76 | P | 30 |

(2) That the expanded waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(3) That monthly progress reports of the expanded waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) 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

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

S E A L

per /

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI-STATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

B. TYPE OF WELL
 OIL WELL GAS WELL OTHER IN-FILL WELL SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 AVON ENERGY CORPORATION Ph. 915-683-5449

3. ADDRESS OF OPERATOR
 415 W. Wall, Ste. 1810
 Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 (Unit I) 1350' FSL 1200' FEL Sec. 20-17S-31E
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 5.5 air miles east of Loco Hills, N.M.

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 (Also to nearest drig. unit line, if any) 1200'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 820' ±

11. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3743' GL

22. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|------------------------------|------------------------------|
| 12-1/4" | 8-5/8" | 24.0# J-55 | 600' ± | 300 sx Class C (Circulate) |
| 7-7/8" | 5-1/2" | 15.5# K-55 | 3500' to the back | 200 sx Class C + 600 sx Lite |

Propose to drill to about 3500' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to isolate all porosity zones. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling data and Surface Use Plan.

The surface grazing lessee has been advised of the proposed operation.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: Jerry G. Long TITLE: Permit Agent DATE: November 24, 1990

PERMIT NO. _____ APPROVAL DATE: _____
 APPROVED BY: Don Ashby Jr. TITLE: for DATE: 2-6-91

GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.
 LC 029395-B
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

 7. UNIT AGREEMENT NAME

 8. FARM OR LEASE NAME
 Turner "B"
 9. WELL NO.
 94
 10. FIELD AND POOL, OR WILDCAT
 Grayburg Jackson
 11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 20-17S-31E
 12. COUNTY OR PARISH
 Eddy
 13. STATE
 N.M.

22. APPROX. DATE WORK WILL START
 As Soon As Possible

RECEIVED
 NOV 30 7 57 AM '90
 CREDIT AREA

OIL CONSERVATION DIVISION

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

3 copies
Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

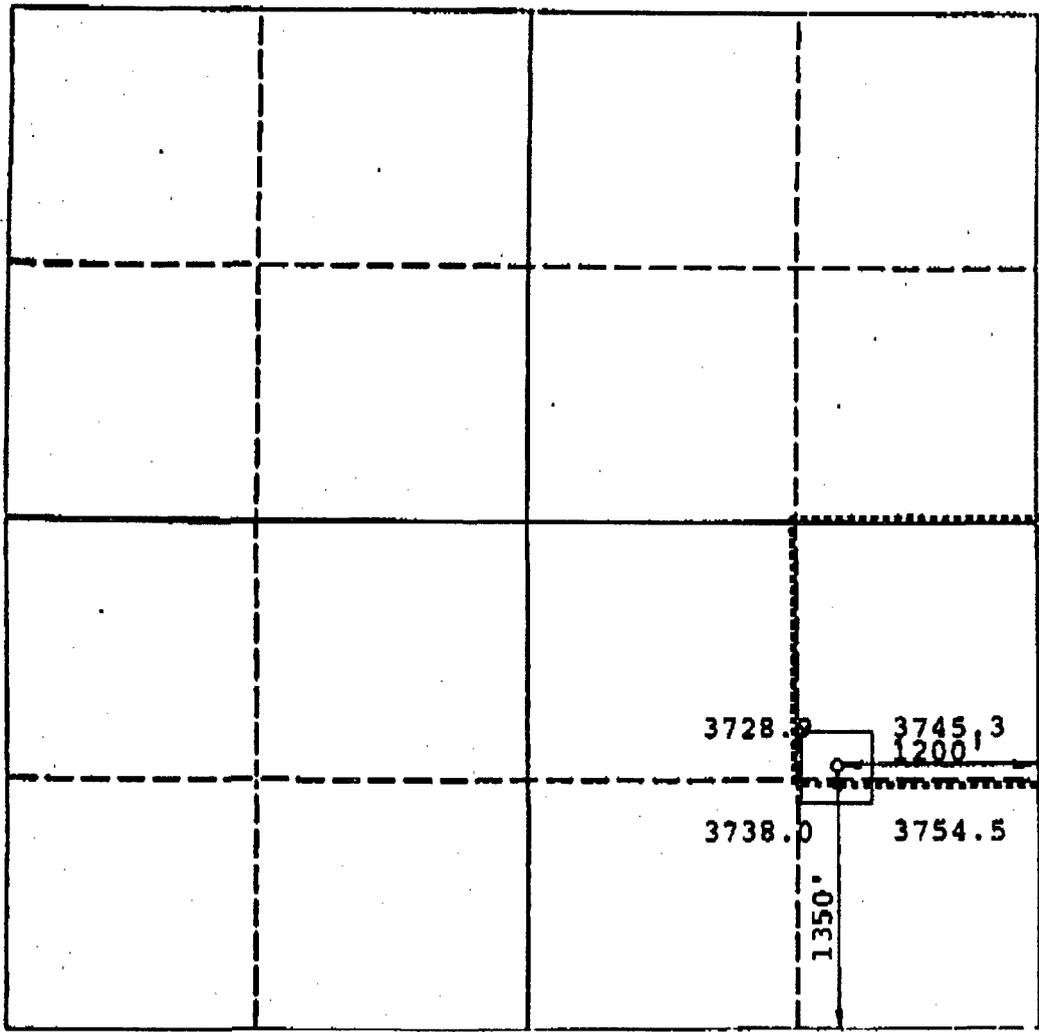
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| | | | | | |
|--|--|-----------------------------|------------------------------------|---------------------------------------|-----------------------|
| Operator Avon Energy Corporation | | | Lease Turner "B" Federal | | Well No. 94 |
| Unit Letter I | Section 20 | Township 17 South | Range 31 East | County Eddy | |
| Actual Footage Location of Well: 1350 feet from the South line and 1200 feet from the East line | | | | | |
| Ground level Elev. 3743 | Producing Formation Grayburg | | Pool Grayburg-Jackson | Dedicated Acreage: 40 Acres | |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
SINGLE LEASE
- 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.?
 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 interest, has been approved by the Division.

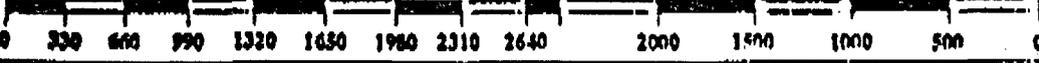
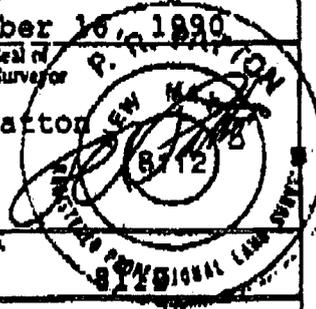


OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Jerry N. Long*
Printed Name: **JERRY N. LONG**
Position: **Permit Agent**
Company: **AVON ENERGY CORPORATION**
Date: **November 24, 1990**

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **November 16, 1990**
Signature & Seal of Professional Surveyor: *P. R. Patton*
P. R. Patton
Certificate No. _____





OIL CONSERVATION DIVISION
RECEIVED

'91 JUN 12 AM 10 22

June 11, 1991

New Mexico Oil Conservation Division
Attn: Mr. Michael E. Stogner
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Avon Energy Corporation
Administrative Application For
Unorthodox Well Location In A
Leasehold Waterflood Project,
Turner "B" Federal Well No. 95

Dear Mr. Stogner:

Avon Energy Corporation (a wholly owned subsidiary of Alta Energy Corporation), successor to Socorro Petroleum Company, as operator of the Turner "B" leasehold waterflood project previously approved by Division Order R-3528 (copy enclosed) requests administrative approval of the following unorthodox well location:

~~Turner "B" Federal Well No. 95~~
Unit L, Section 29, T-17-S, R-31-E
Eddy County, New Mexico
Location: 2610 FSL & 1000 FWL

The Turner "B" leasehold waterflood project is currently being developed with infill wells using a 20 acre well density. The subject well is one of those wells and is located in the interior of the unit and is not competitive with offsetting wells outside the unit.

Enclosed is a copy of a plat showing the boundary of the waterflood. Also enclosed is a copy of the Form C-101 and C-102.

We believe that the infill development using the 20 acre density will improve waterflood sweep efficiency and will increase secondary oil recovery.

Because the well is not located within 330 feet to any other boundary, we believe no notification to offsetting operators is required.

Please do not hesitate to call me at either 303-825-0714 or 915-683-5449 should you have any questions or need any further information.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mitchell L. Solich". The signature is written in a cursive style with a large initial "M".

Mitchell L. Solich
Sr. V.P. & Chief Operating Officer

MLS/ssj

Enclosure

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

June 12, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Avon Energy Corporation
c/o Alta Energy Corporation
415 West Wall, Suite 1810
Midland, TX 79701

Attention: Mitchell L. Solich

RE: *Unorthodox oil well locations, ~~Turner "B" Lease~~, Sections 20 and 29, Township 17 South, Range 31 East, NMPM, Grayburg-Jackson Pool, Eddy County, New Mexico.*

Dear Mr. Solich:

On June 11, 1991, I received eight applications for unorthodox oil well locations to permit the completion of an efficient production/injection pattern within Avon's Turner "B" Lease Waterflood Project. The applications for Well Nos. 88, 92, 93 and 96 are currently being processed as Division Administrative Order NSL-3018. At this time, however, I can not process the applications for Well Nos. 94, ⁹⁵ 97 and 98, which are indeed unorthodox pursuant to Division General Rule 104.F.I. It appears from the land plat submitted with each filing and pursuant to General Rule 104.F.III. that the dedicated 40-acre tract for each of the four wells offsets acreage controlled by parties other than Avon or Alta. Please provide adequate notice to these offsetting parties pursuant to Rule 104.F.IV. Also, submit copies of such notice to me so that I may start the required 20-day waiting period provided for by General Rule 104.F.IV. without further delay.

Should you have any questions concerning the processing of these eight filings or on any future filings, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", written over a horizontal line.

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/ag

cc: Oil Conservation Division - Artesia
US Bureau of Land Management - Carlsbad

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

4 copies
3 copies

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

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

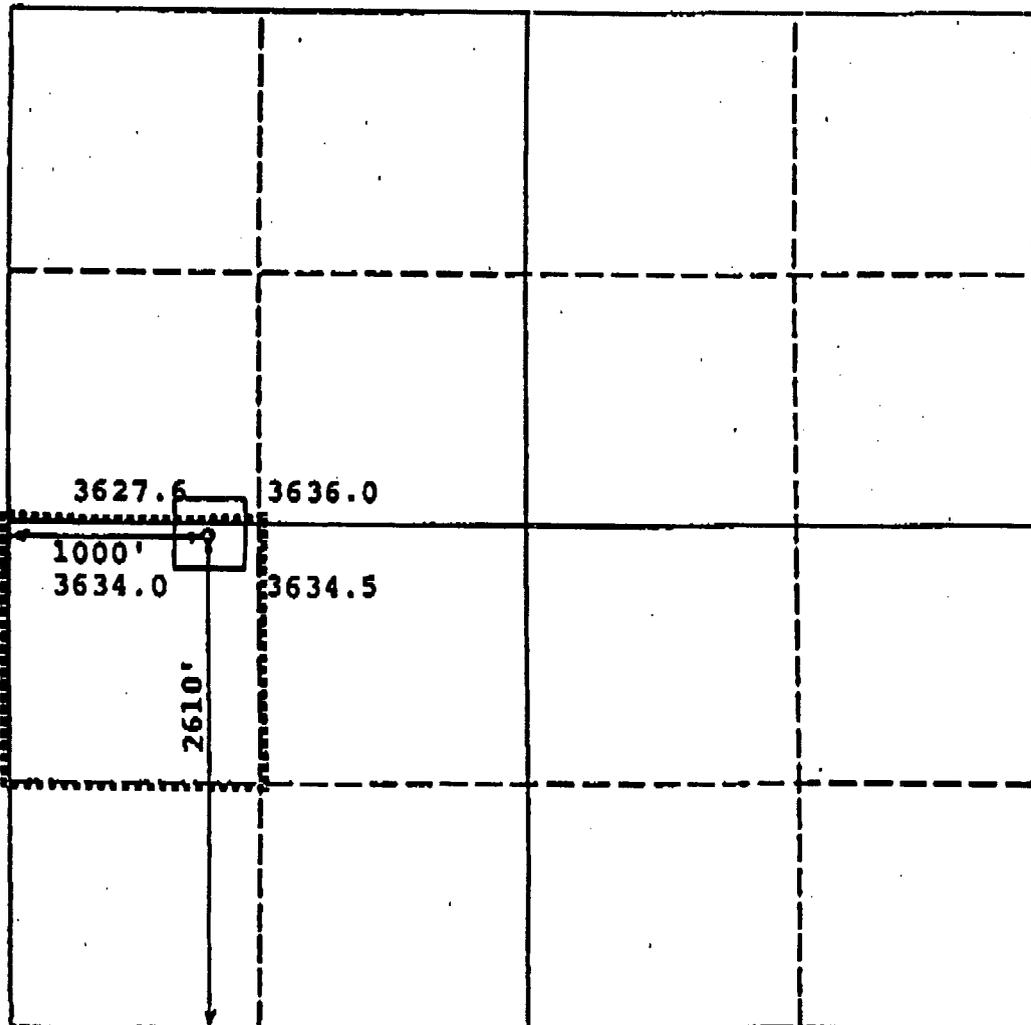
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| | | | | | | | | |
|--|----------------------|--|------------------------------------|-----------------------|---------------------------------|-----------------------|---------------------------------------|--|
| Operator Avon Energy Corporation | | | Lease Turner "B" Federal | | | Well No. 95 | | |
| Unit Letter L | Section 20 | Township 17 South | Range 31 East | County Eddy | | | | |
| Actual Footage Location of Well: 2610 feet from the South line and 1000 feet from the West line | | | | | | | | |
| Ground level Elev. 3638 | | Producing Formation Grayburg | | | Pool Grayburg-Jackson | | Dedicated Acreage: 40 Acres | |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
 - If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
 - If **SINGLE LEASE** more than one tract of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

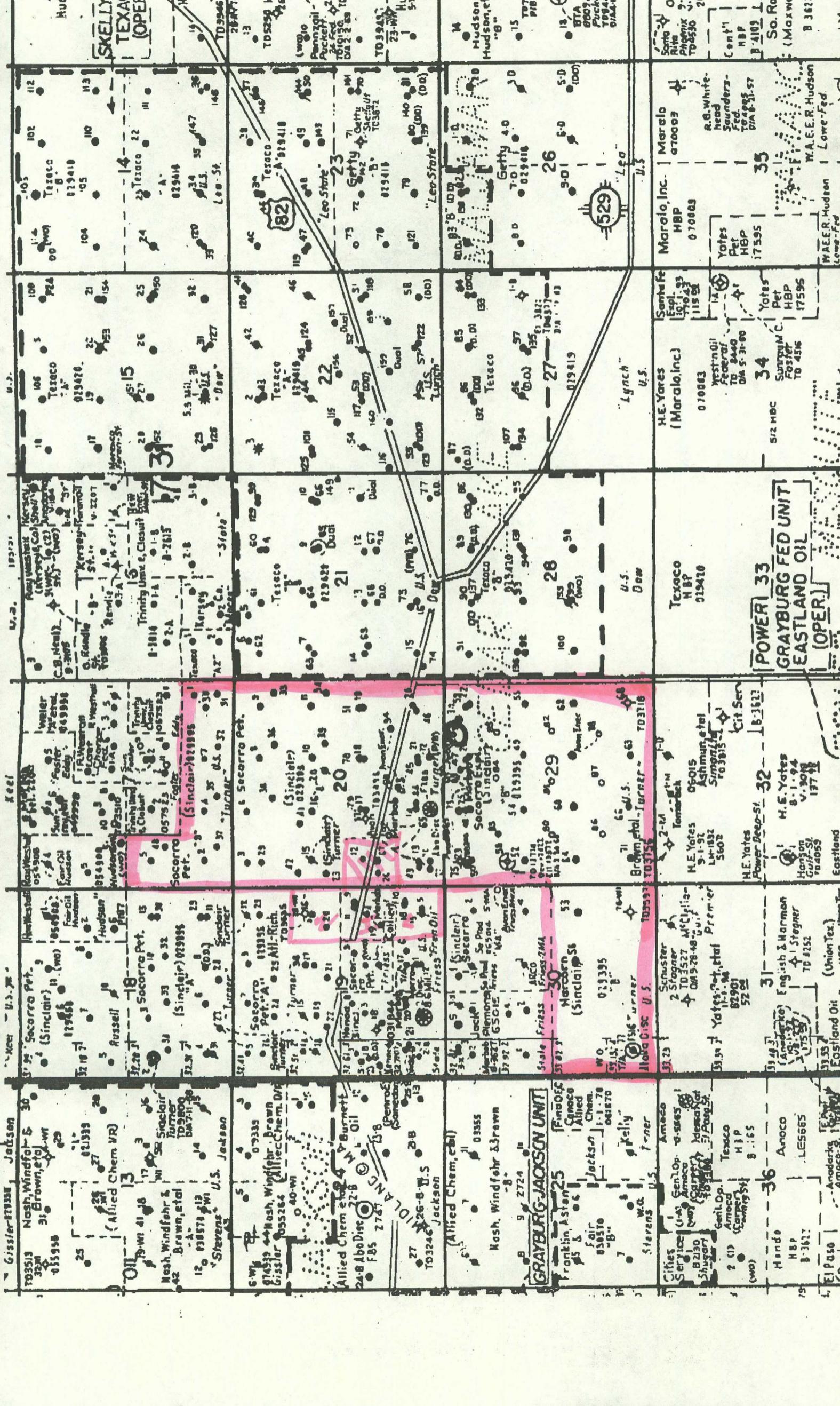
Signature: *Ferry W. Long*
Printed Name: **FERRY W. LONG**

Position: **Permit Agent**
Company: **AVON ENERGY CORPORATION**
Date: **January 1, 1991**

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **December 31, 1990**
Signature & Seal of Professional Surveyor:
P.R. Patzer
P.R. Patzer
Certificate No. **8712**



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. 3885
Order No. R-3528

APPLICATION OF SINCLAIR OIL & GAS
COMPANY FOR A WATERFLOOD EXPANSION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on October 9, 1968,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 22nd day of October, 1968, 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 the applicant, Sinclair Oil Corporation, formerly
Sinclair Oil & Gas Company, seeks permission to expand its Turner
"B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson
Pool by the injection of water into the Premier Sand of the
Grayburg formation through 12 additional injection wells in Sec-
tions 20, 29, and 30, Township 17 South, Range 31 East, NMPM,
Eddy County, New Mexico.

(3) That the wells in the project area are in an advanced
state of depletion and should properly be classified as "stripper"
wells.

(4) That the proposed expansion of the Turner "B" Grayburg-
Jackson Waterflood Project should result in the recovery of
otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the expanded project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Sinclair Oil Corporation, formerly Sinclair Oil & Gas Company, is hereby authorized to expand its Turner "B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson Pool by the injection of water into the Premier Sand of the Grayburg formation through the following-described wells in Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico:

| LEASE | WELL NO. | UNIT | SECTION |
|---------------|----------|------|---------|
| Turner "B" SP | 44 | N | 20 |
| Turner "B" SP | 46 | P | 20 |
| Turner "B" SP | 47 | B | 29 |
| Turner "B" SP | 50 | D | 29 |
| Turner "B" SP | 54 | F | 29 |
| Turner "B" SP | 55 | H | 29 |
| Turner "B" SP | 61 | J | 29 |
| Turner "B" SP | 64 | L | 29 |
| Turner "B" SP | 66 | N | 29 |
| Turner "B" SP | 68 | P | 29 |
| Turner "B" SP | 56 | J | 30 |
| Turner "B" SP | 76 | P | 30 |

(2) That the expanded waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(3) That monthly progress reports of the expanded waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) 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

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

S E A L



OIL CONSERVATION DIVISION
RECEIVED

'91 JUN 12 AM 10 22

June 11, 1991

New Mexico Oil Conservation Division
Attn: Mr. Michael E. Stogner
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Avon Energy Corporation
Administrative Application For
Unorthodox Well Location In A
Leasehold Waterflood Project,
Turner "B" Federal Well No. 97

Dear Mr. Stogner:

Avon Energy Corporation (a wholly owned subsidiary of Alta Energy Corporation), successor to Socorro Petroleum Company, as operator of the Turner "B" leasehold waterflood project previously approved by Division Order R-3528 (copy enclosed) requests administrative approval of the following unorthodox well location:

Turner "B" Federal Well No. 97
Unit H, Section 29, T-17-S, R-31-E
Eddy County, New Mexico
Location: 2590 FNL & 1200 FSL

The Turner "B" leasehold waterflood project is currently being developed with infill wells using a 20 acre well density. The subject well is one of those wells and is located in the interior of the unit and is not competitive with offsetting wells outside the unit.

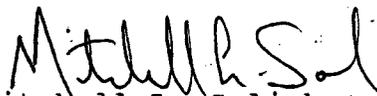
Enclosed is a copy of a plat showing the boundary of the waterflood. Also enclosed is a copy of the Form C-101 and C-102.

We believe that the infill development using the 20 acre density will improve waterflood sweep efficiency and will increase secondary oil recovery.

Because the well is not located within 330 feet to any other boundary, we believe no notification to offsetting operators is required.

Please do not hesitate to call me at either 303-825-0714 or 915-683-5449 should you have any questions or need any further information.

Very truly yours,



Mitchell L. Solich
Sr. V.P. & Chief Operating Officer

MLS/ssj

Enclosure

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. 3885
Order No. R-3528

APPLICATION OF SINCLAIR OIL & GAS
COMPANY FOR A WATERFLOOD EXPANSION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

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NOW, on this 22nd day of October, 1968, 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 the applicant, Sinclair Oil Corporation, formerly Sinclair Oil & Gas Company, seeks permission to expand its Turner "B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson Pool by the injection of water into the Premier Sand of the Grayburg formation through 12 additional injection wells in Sections 20, 29, and 30, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed expansion of the Turner "B" Grayburg-Jackson Waterflood Project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the expanded project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Sinclair Oil Corporation, formerly Sinclair Oil & Gas Company, is hereby authorized to expand its Turner "B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson Pool by the injection of water into the Premier Sand of the Grayburg formation through the following-described wells in Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico:

| LEASE | WELL NO. | UNIT | SECTION |
|---------------|----------|------|---------|
| Turner "B" SP | 44 | N | 20 |
| Turner "B" SP | 46 | P | 20 |
| Turner "B" SP | 47 | B | 29 |
| Turner "B" SP | 50 | D | 29 |
| Turner "B" SP | 54 | F | 29 |
| Turner "B" SP | 55 | H | 29 |
| Turner "B" SP | 61 | J | 29 |
| Turner "B" SP | 64 | L | 29 |
| Turner "B" SP | 66 | N | 29 |
| Turner "B" SP | 68 | P | 29 |
| Turner "B" SP | 56 | J | 30 |
| Turner "B" SP | 76 | P | 30 |

(2) That the expanded waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(3) That monthly progress reports of the expanded waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) 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

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

S E A L

per/

OPERATION COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

4. LEASE DESIGNATION AND SERIAL NO.
LC 029395-B

5. IF INDIAN, ALLOTTEE OR TRIBAL NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Turner "B"

9. WELL NO.
97

10. FIELD AND POOL, OR WILDCAT
Grayburg-Jackson

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
Sec. 20-17S-31E

12. COUNTY OR PARISH
Eddy

13. STATE
N.M.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER IN-FILL WELL SINGLE BORE MULTIPLE BORE

2. NAME OF OPERATOR
AVON ENERGY CORPORATION
Ph. 915-685-4338

3. ADDRESS OF OPERATOR
310 West Wall, Suite 915
Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
2590' FNL 1200' FEL, Sec. 20-17S-31E (Unit H)
At proposed prod. zone (SENE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5.5 air miles east of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LING, OR (Also to nearest drilg. unit line, if any)
1200'

16. NO. OF ACRES IN LEASE
1786.15

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
815'±

19. PROPOSED DEPTH
3500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DT, RT, OR, etc.)
3711 GL.

22. APPROX. DATE WORK WILL START*
As Soon As Possible

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|-----------------|------------------------------|
| 12-1/4" | 8-5/8" | 24.0# J-55 | 600'± | 300 sx Class C (Circulate) |
| 7-7/8" | 5-1/2" | 15.5# K-55 | 3500' (Re back) | 200 sx Class C + 600 sx Lite |

Propose to drill to about 3500' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to isolate all porosity zones. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

The surface grazing lessee has been advised of the proposed operation.

RECEIVED
DEC 29 10 58 AM '90
 FEDERAL BUREAU OF LAND MANAGEMENT
 OFFICE OF THE DIRECTOR
 WASHINGTON, D.C. 20250

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: Jerry H. Long TITLE: Permit Agent DATE: December 27, 1990
(This space for Federal or State office use)

PERMIT NO. P 12345 APPROVAL DATE: 1-15-91
APPROVED BY: [Signature] TITLE: CARLETON [Signature] DATE: 1-15-91

JH

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

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

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

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

DISTRICT III
1080 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

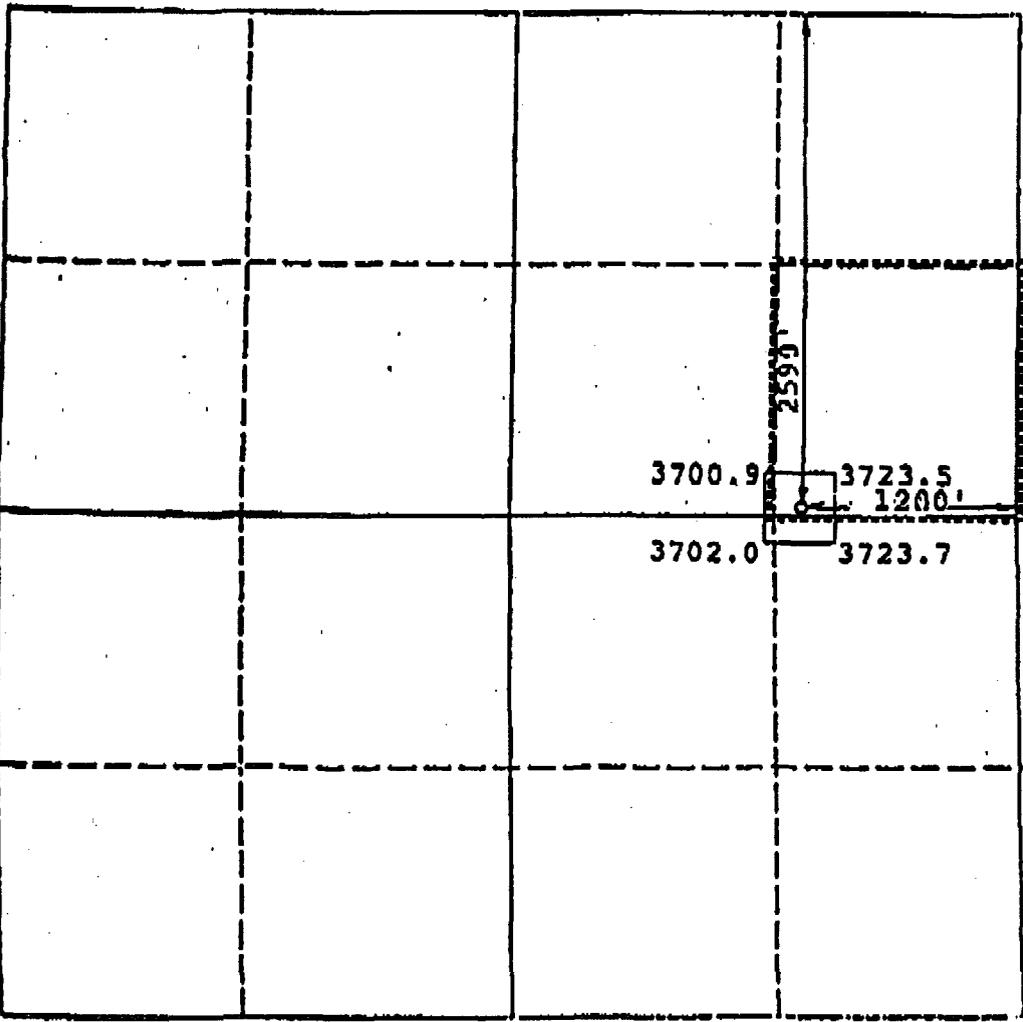
All Distances must be from the outer boundaries of the section

| | | | | | |
|--|--|-----------------------------|------------------------------------|---------------------------------------|-----------------------|
| Operator Avon Energy Corporation | | | Lease Turner "B" Federal | | Well No. 97 |
| Unit Letter H | Section 20 | Township 17 South | Range 31 East | County Eddy | |
| Actual Footage Location of Well: 2590 feet from the North line and 1200 feet from the East line | | | | | |
| Ground level Elev. 3711 | Producing Formation Grayburg | | Pool Grayburg-Jackson | Dedicated Acreage: 40 Acres | |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
SINGLE LEASE
- If more than one tract of different ownership is dedicated to the well, have the interest 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.

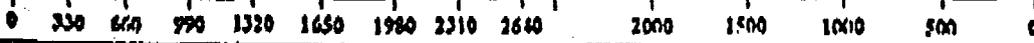


OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Jerry W. Long*
Printed Name: **JERRY W. LONG**
Position: **Permit Agent**
Company: **AVON ENERGY CORPORATION**
Date: **December 27, 1990**

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **December 20, 1990**
Signature & Seal of Professional Surveyor: *[Signature]*
P. R. **PATTON**
PROFESSIONAL SURVEYOR
No. **8112**



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

June 12, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Avon Energy Corporation
c/o Alta Energy Corporation
415 West Wall, Suite 1810
Midland, TX 79701

Attention: Mitchell L. Solich

RE: *Unorthodox oil well locations, Turner "B" Lease, Sections 20 and 29, Township 17 South, Range 31 East, NMPM, Grayburg-Jackson Pool, Eddy County, New Mexico.*

Dear Mr. Solich:

On June 11, 1991, I received eight applications for unorthodox oil well locations to permit the completion of an efficient production/injection pattern within Avon's Turner "B" Lease Waterflood Project. The applications for Well Nos. 88, 92, 93 and 96 are currently being processed as Division Administrative Order NSL-3018. At this time, however, I can not process the applications for Well Nos. 94, 95, 97 and 98, which are indeed unorthodox pursuant to Division General Rule 104.F.I. It appears from the land plat submitted with each filing and pursuant to General Rule 104.F.III. that the dedicated 40-acre tract for each of the four wells offsets acreage controlled by parties other than Avon or Alta. Please provide adequate notice to these offsetting parties pursuant to Rule 104.F.IV. Also, submit copies of such notice to me so that I may start the required 20-day waiting period provided for by General Rule 104.F.IV. without further delay.

Should you have any questions concerning the processing of these eight filings or on any future filings, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner".

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/ag

cc: Oil Conservation Division - Artesia
US Bureau of Land Management - Carlsbad



OIL CONSERVATION DIVISION
RECEIVED

'91 JUN 12 AM 10 22

June 11, 1991

New Mexico Oil Conservation Division
Attn: Mr. Michael E. Stogner
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Avon Energy Corporation
Administrative Application For
Unorthodox Well Location In A
Leasehold Waterflood Project,
~~Turner "B" Federal Well No. 98~~

Dear Mr. Stogner:

Avon Energy Corporation (a wholly owned subsidiary of Alta Energy Corporation), successor to Socorro Petroleum Company, as operator of the Turner "B" leasehold waterflood project previously approved by Division Order R-3528 (copy enclosed) requests administrative approval of the following unorthodox well location:

Turner "B" Federal Well No. 98
Unit M, Section 29, T-17-S, R-31-E
Eddy County, New Mexico
Location: 1270 FSL & 50 FWL

The Turner "B" leasehold waterflood project is currently being developed with infill wells using a 20 acre well density. The subject well is one of those wells and is located in the interior of the unit and is not competitive with offsetting wells outside the unit.

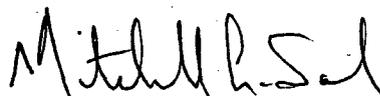
Enclosed is a copy of a plat showing the boundary of the waterflood. Also enclosed is a copy of the Form C-101 and C-102.

We believe that the infill development using the 20 acre density will improve waterflood sweep efficiency and will increase secondary oil recovery.

Because the well is not located within 330 feet to any other boundary, we believe no notification to offsetting operators is required.

Please do not hesitate to call me at either 303-825-0714 or 915-683-5449 should you have any questions or need any further information.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mitchell L. Solich". The signature is written in a cursive style with a large initial "M".

Mitchell L. Solich
Sr. V.P. & Chief Operating Officer

MLS/ssj

Enclosure

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. 3885
Order No. R-3528

APPLICATION OF SINCLAIR OIL & GAS
COMPANY FOR A WATERFLOOD EXPANSION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on October 9, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 22nd day of October, 1968, 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 the applicant, Sinclair Oil Corporation, formerly Sinclair Oil & Gas Company, seeks permission to expand its Turner "B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson Pool by the injection of water into the Premier Sand of the Grayburg formation through 12 additional injection wells in Sections 20, 29, and 30, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed expansion of the Turner "B" Grayburg-Jackson Waterflood Project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

CASE No. 3885
Order No. R-3528

(5) That the subject application should be approved and the expanded project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Sinclair Oil Corporation, formerly Sinclair Oil & Gas Company, is hereby authorized to expand its Turner "B" Grayburg-Jackson Waterflood Project in the Grayburg-Jackson Pool by the injection of water into the Premier Sand of the Grayburg formation through the following-described wells in Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico:

| LEASE | WELL NO. | UNIT | SECTION |
|---------------|----------|------|---------|
| Turner "B" SP | 44 | N | 20 |
| Turner "B" SP | 46 | P | 20 |
| Turner "B" SP | 47 | B | 29 |
| Turner "B" SP | 50 | D | 29 |
| Turner "B" SP | 54 | F | 29 |
| Turner "B" SP | 55 | H | 29 |
| Turner "B" SP | 61 | J | 29 |
| Turner "B" SP | 64 | L | 29 |
| Turner "B" SP | 66 | N | 29 |
| Turner "B" SP | 68 | P | 29 |
| Turner "B" SP | 56 | J | 30 |
| Turner "B" SP | 76 | P | 30 |

(2) That the expanded waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(3) That monthly progress reports of the expanded waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) 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

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

S E A L

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

RECEIVED
 LC 029395-B
 Dec-19 11:45 AM '90
 Turner "B"
 Sec. 29-178-31E
 Grayburg-Jackson
 N.M.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

2. TYPE OF WELL
 OIL WELL GAS WELL OTHER IN-FILL WELL SINGLE BORE MULTIPLE BORE

3. NAME OF OPERATOR
 AVON ENERGY CORPORATION
 Ph. 915-685-4338

4. ADDRESS OF OPERATOR
 310 West Wall, Suite 915
 Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 (Unit M) 1270' FSL 50' FWL Sec. 29-178-31E
 At proposed prod. zone
 Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 5.0 air miles southeast of Loco Hills, N.M.

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. well line, if any)
 1270'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 863'±

9. SITUATIONS (Show whether DF, RT, GK, etc.)
 3657 GL.

10. FIELD AND POOL, OR WILDCAT
 Grayburg-Jackson
 11. SEC., T., R., M., OR BEE. AND SURVEY OR ARDA
 Sec. 29-178-31E
 12. COUNTY OR PARISH
 Eddy
 13. STATE
 N.M.
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 40
 18. ROTARY OR CABLE TOOLS
 Rotary
 19. APPROX. DATE WORK WILL START*
 As Soon As Possible

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|-----------------------|------------------------------|
| 12-1/4" | 8-5/8" | 24.0# J-55 | 600'± | 300 sx Class C (Circulate) |
| 7-7/8" | 5-1/2" | 15.5# K-55 | 3500' <i>tie back</i> | 200 sx Class C + 600 sx Lite |

Propose to drill to about 3500' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to isolate all porosity zones. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

The surface grazing lessee has been advised of the proposed operation.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED Jerry D. Long TITLE Permit Agent DATE December 18, 1990

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Donald E. Manna TITLE _____ DATE 1-15-91

APPROVAL SUBJECT TO
 GENERAL REQUIREMENTS AND
 SPECIAL STIPULATIONS
 ATTACHED

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

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

4 copies
3 copies

ACT 1
Box 1980, Hobbs, NM 88240

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

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

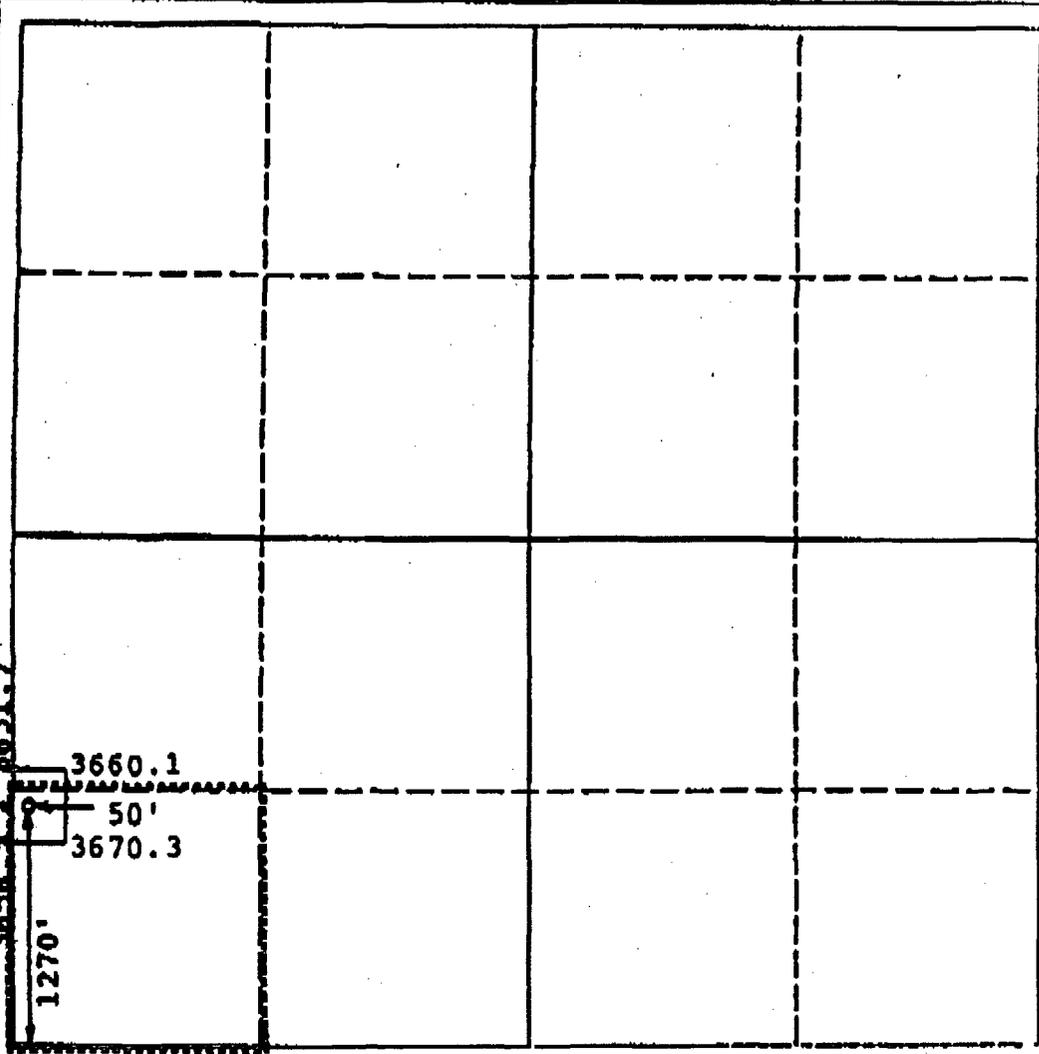
WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

| | | | | | |
|--|--|-----------------------------|------------------------------------|---------------------------------------|-----------------------|
| Operator Avon Energy Corporation | | | Lease Turner "B" Federal | | Well No. 98 |
| Unit Letter M | Section 29 | Township 17 South | Range 31 East | County Eddy | |
| Actual Footage Location of Well: 1270 feet from the South line and 50 feet from the West line | | | | | |
| Ground level Elev. 3657 | Producing Formation Grayburg | | Pool Grayburg-Jackson | Dedicated Acreage: 40 Acres | |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
SINGLE LEASE - LC 029395-B
- If more than one party of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.

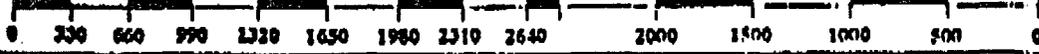


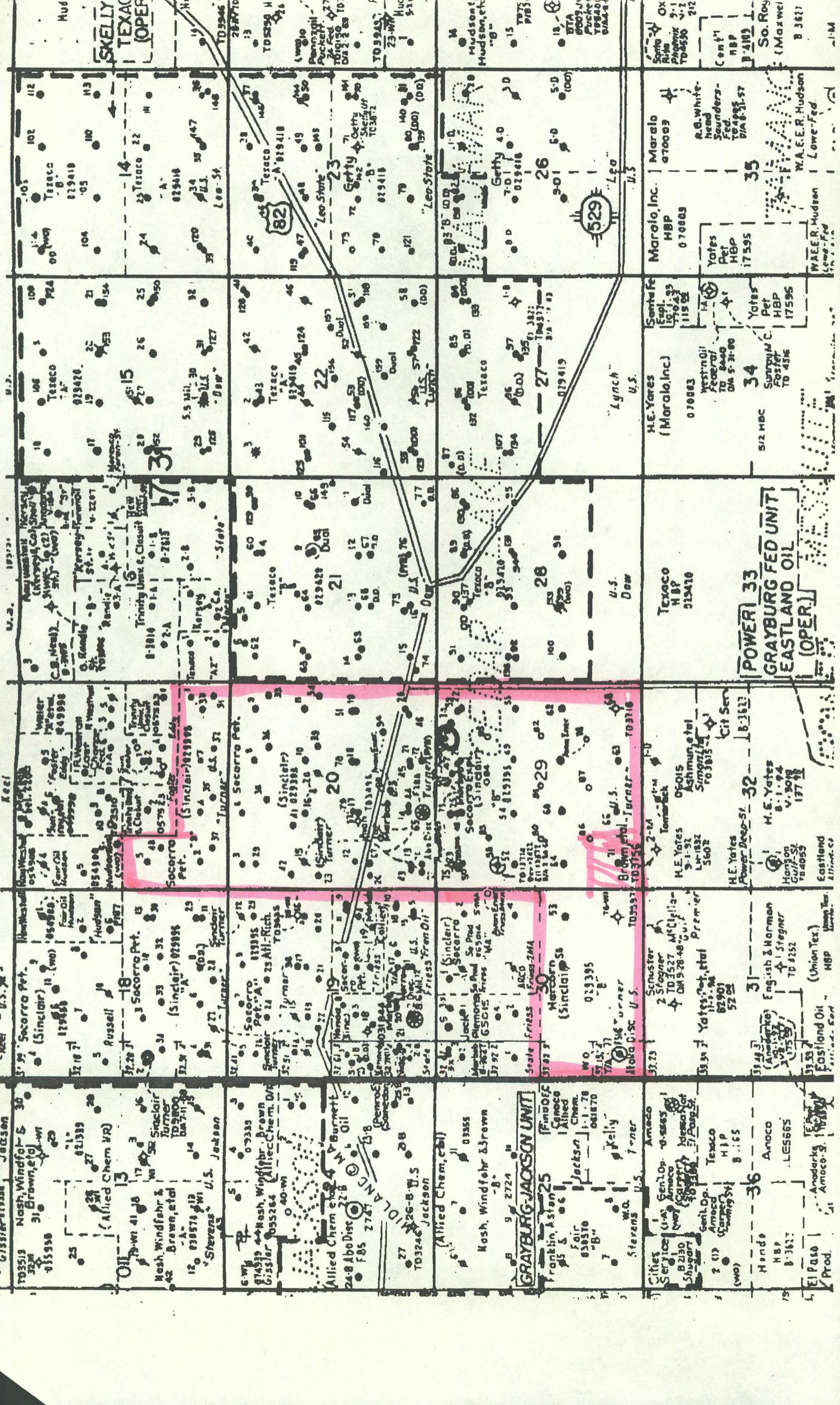
OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Jerry V. Long*
Printed Name: **JERRY V. LONG**
Position: **Permit Agent**
Company: **AVON ENERGY CORPORATION**
Date: **December 18, 1990**

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **December 14, 1990**
Signature & Seal of Professional Surveyor:
P.R. Patton
P.R. Patton
NEW MEXICO
CERTIFICATE NO. _____





Gissler 11338
Nash, Windfah & Brown, et al. 30
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