



OIL CONSERVATION DIVISION
RECEIVED

NSL-3018

'91 JUN 12 AM 10 21

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. 88

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. 88
Unit J, Section 29, T-18-S, R-31-E
Eddy County, New Mexico
Location: 1335 FSL & 1335 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.

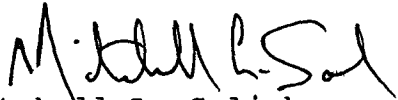
Enclosed is a copy of a plat showing the boundary of the waterflood. Also enclosed is a copy of the Form C-101 and C-102.

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 fluid and cursive, with a large initial "M" and a stylized "L" and "S".

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 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.

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

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.)

(Unit J) 1335' FSL 1335' FEL Sec. 29-17S-31E
At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

5.7 air miles southeast of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest dril. unit line, if any)

1335'

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 APPLIC. FOR, ON THIS LEASE, FT.

930'±

19. PROPOSED DEPTH

3500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3747 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 ex Class C (Circulate)
7-7/8"	5-1/2"	15.5# K-55	3500'±	200 ex Class C + 600 ex 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.

24.

SIGNED

James H. Long
JERRY H. LONG

TITLE Permit Agent

DATE November 15, 1990

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

"See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Revised 1-1-87

10, Hobbs, NM 88240

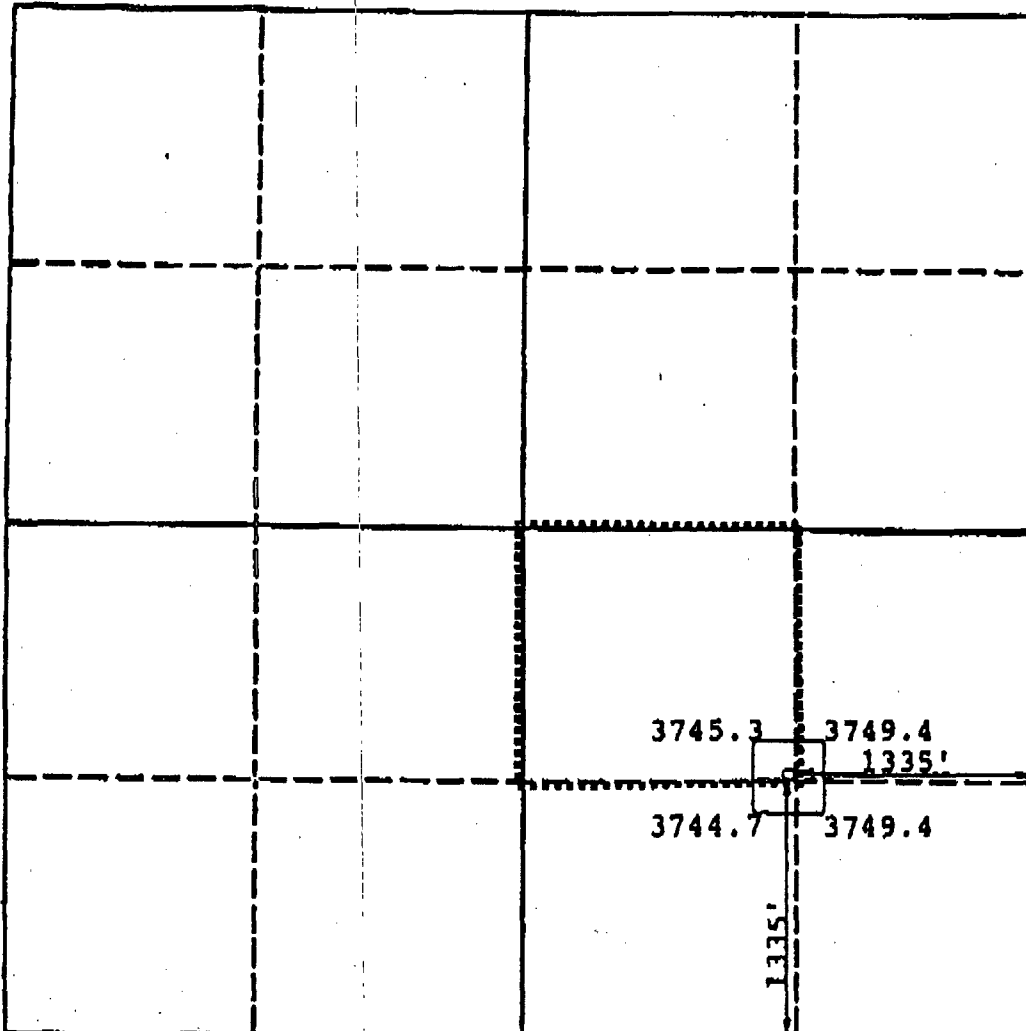
1000 Rio Brazos Rd., Aztec, NM 87410

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. 88
Unit Letter J	Section 29	Township 17 South	Range 31 East	County Eddy	
Actual Footage Location of Well:					
1335 feet from the South line and		1335 feet from the East line			
Ground level Elev. 3747	Producing Formation Grayburg		Pool Grayburg-Jackson	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 or different ownership is dedicated to the well, have the interest of all owners been consolidated by communalization, 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 communalization, unitization, force-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.

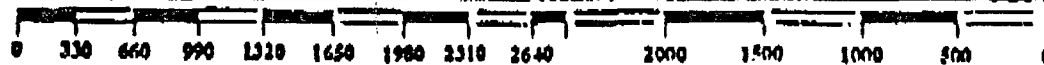
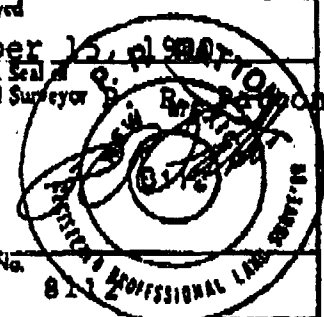
Signature <i>Jerry W. Long</i>
Printed Name JERRY W. LONG
Position Permit Agent
Company AVON ENERGY CORPORATION
Date November 15, 1990

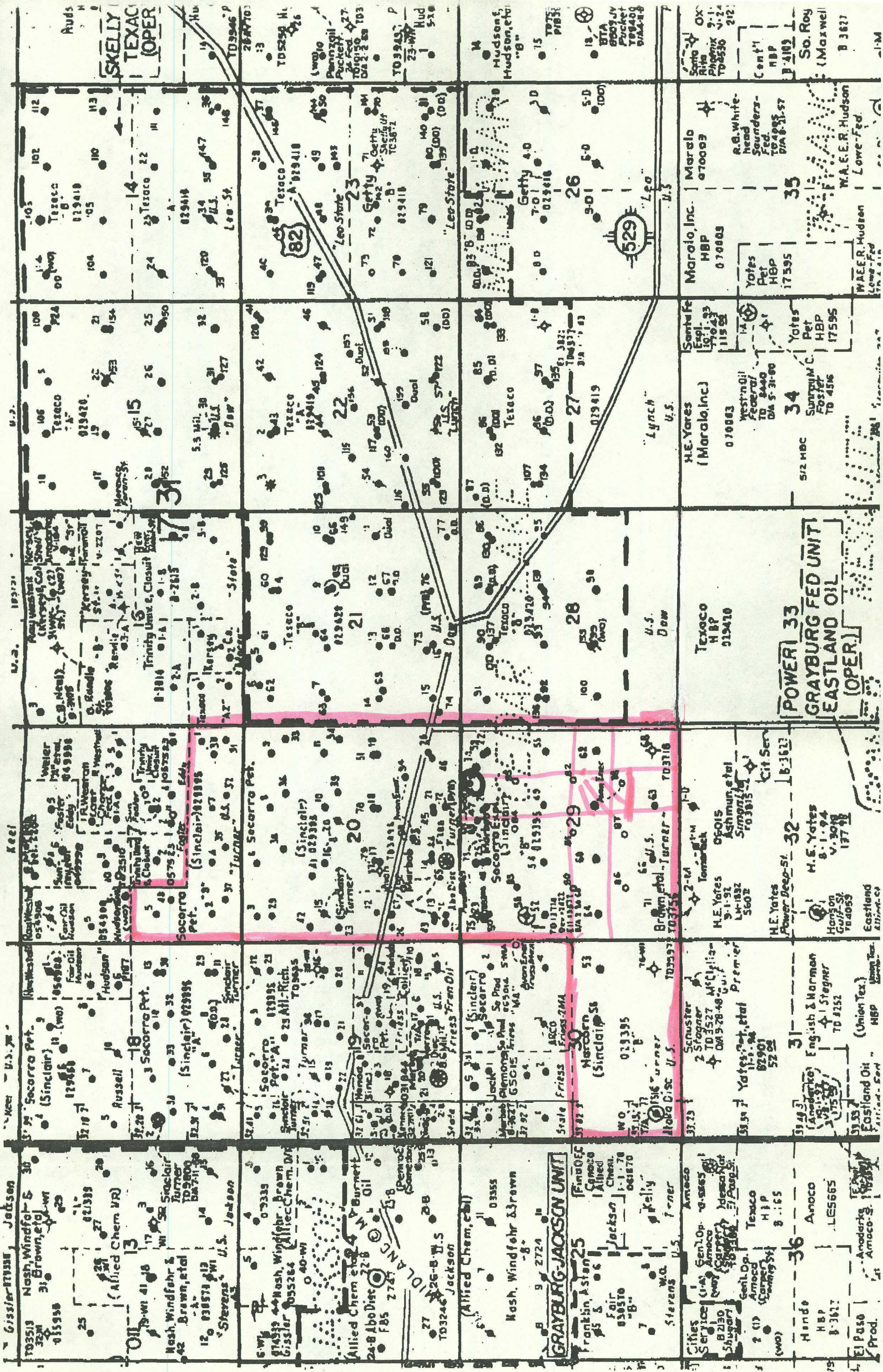
SURVEYOR CERTIFICATION

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 15, 1990
Signature & Seal of Professional Surveyor <i>[Signature]</i>

Certificate No. 812







NSL-3018
OIL CONSERVATION DIVISION
RECEIVED

'91 JUN 12 PM 10 21

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. 92

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. 92
Unit N, Section 29, T-17-S, R-31-E
Eddy County, New Mexico
Location: 1305 FSL & 1350 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 dark ink, appearing to read "Mitchell L. Solich". The signature is fluid and cursive, with the first name "Mitchell" being more prominent than the last name "Solich".

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 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:

<u>LEASE</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>SECTION</u>
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

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN **3** REPLICATES
(Other instructions on
reverse side)

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER IN-FILL WELL <input type="checkbox"/> SINGLE BORE <input checked="" type="checkbox"/> MULTIPLE BORE <input type="checkbox"/> c. NAME OF OPERATOR AVON ENERGY CORPORATION Ph. 915-683-5449 d. ADDRESS OF OPERATOR 415 W. Wall, Ste. 1810 Midland, Texas 79701 e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1305' FSL 1350' FWL Sec. 20-178-31E At proposed prod. name Same f. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5.1 air miles east of Loco Hills, N.M. g. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1350' h. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 750'± i. ELEVATIONS (Show whether DP, RT, GR, etc.) 3643' GL j. APPROX. DATE WORK WILL START* As Soon As Possible			1. LEASE DESIGNATION AND SERIAL NO. LC 029395-B 2. IF INDIAN, ALLOTTEE OR TRIBE NAME --- 3. UNIT ASSIGNMENT NAME --- 4. NAME OF LEASEE NAME Turner "B" 5. WELL NO. 92 6. FIELD AND POOL, OR WILDCAT Grayburg Jackson 7. SEC., T., R., OR NE. AND SURVEY OR AREA Sec. 20-178-31E 8. COUNTY OR PARISH 9. STATE Eddy N.M.		
10. NO. OF ACRES IN LEASE 1786.15 11. NO. OF ACRES ASSIGNED TO THIS WELL 40 12. PROPOSED DEPTH 3500' 13. ROTARY OR CABLE TOOLS Rotary		14. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1350' 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 750'± 16. ELEVATIONS (Show whether DP, RT, GR, etc.) 3643' GL 17. 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 ex Class C (Circulate)
7-7/8"	5-1/2"	15.5# K-55	3500'±	200 ex Class C + 600 ex 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: Gerry H. Long TITLE: Permit Agent DATE: November 19, 1990
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

4 copies
3 copiesDISTRICT I
P.O. Box 1980, Hobbs, NM 88240DISTRICT II
P.O. Drawer DD, Artesia, NM 88210DISTRICT III
1000 Rio Grande 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. 92
Unit Lease N	Section 20	Township 17 South	Range 31 East	County Eddy	NM/IM
Actual Footage Location of Well: 1305 feet from the South line and 1350 feet from the West line					
Ground level Elev. 3643	Producing Formation Grayburg		Pool Grayburg-Jackson	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).

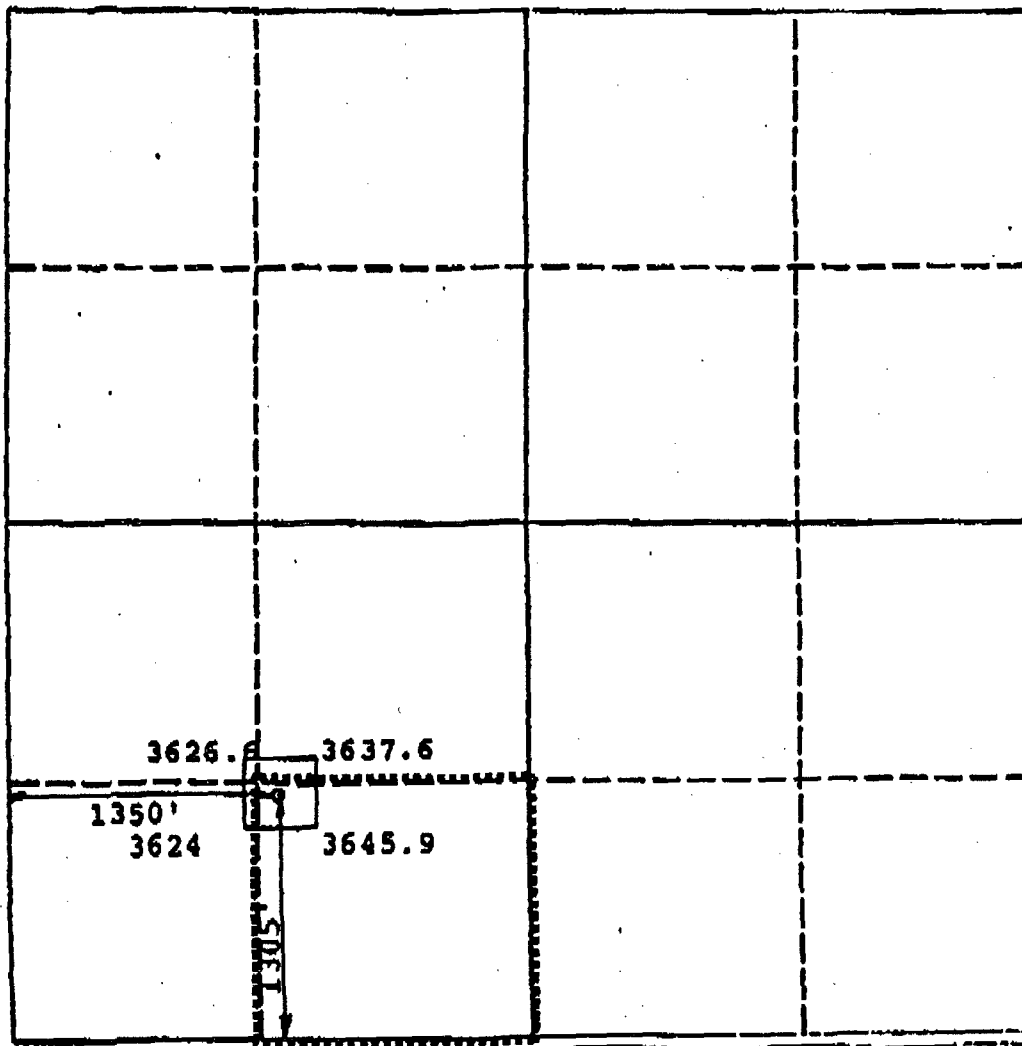
SINGLE LEASE

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communalization, 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 communalization, unitization, force-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 W. Long

Printed Name

JERRY W. LONG

Position

Permit Agent

Company

AVON ENERGY CORPORATION

Date

November 19, 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 19, 1990

Signature & Seal of Professional Surveyor

P.R. Patton**P.R. Patton****P.R. Patton****P.R. Patton****P.R. Patton****P.R. Patton****P.R. Patton****P.R. Patton****P.R. Patton****P.R. Patton****P.R. Patton**





NSL-3013

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
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Dear Mr. Stogner:

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Unit N, Section 29, T-17-S, R-31-E
Eddy County, New Mexico
Location: 1140 FSL & 2560 FWL

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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.

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

MLS/ssj

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COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

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Grayburg formation through 12 additional injection wells in Sec-
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state of depletion and should properly be classified as "stripper"
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CASE No. 3885
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<u>LEASE</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>SECTION</u>
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Turner "B" SP	46	P	20
Turner "B" SP	47	B	29
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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

Form 3160-3
(November 1983)
(formerly 9-231C)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT TRIPLICATE
(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 <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			B. LEASE DESIGNATION AND SERIAL NO. LC 029395-B	
D. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> IN-FILL WELL <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			C. IF INDIAN, ALLOTMENT OR TRUST NAME	
E. NAME OF OPERATOR Ph. 915-683-5449			F. OTHER ASSIGNMENT NAME	
G. ADDRESS OF OPERATOR AVON ENERGY CORPORATION 415 W. Wall, Ste. 1810 Midland, Texas 79701			H. NAME OF LEASE HAND Turner "B"	
I. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface (Unit N) 1140' FSL 2560' FWL Sec. 20-178-31E At proposed prod. zone Same			J. WELL NO. 93	
K. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 5.3 air miles east of Loco Hills, N.M.			L. FIELD AND FOOT, OR WEATHER Grayburg-Jackson	
M. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest city, town, etc., if any) 2560'			N. SEC., T., R., OR NEAR AND SURVEY OR AREA Sec. 20-178-31E	
O. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR ABANDONED, ON THIS LEASE, FT. 700'±			P. COUNTY OR PARISH Eddy	
Q. NO. OF ACRES IN LEASE 1786.15			R. STATE N.M.	
S. PROPOSED DEPTH 3500'			T. NO. OF ACRES ASSIGNED TO THIS WELL 40	
U. NO. OF ACRES ASSIGNED TO THIS WELL 40			V. ROTARY OR CABLE TOOL Rotary	
W. ELEVATION (Show whether DT, RT, GR, etc.) 3690' GL			X. 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 sz Class C (Circular)
7-7/8"	5-1/2"	15.5# K-55	3500'± (to back)	200 sz Class C + 600 sz 11#

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 PRECISELY PREPARE 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 lowest present structural, if any.

SIGNED Jerry H. Long TITLE Permit Agent DATE November 23, 1990
(This space for Federal or State office use)

PERMIT NO. Richard L. Mann APPROVAL DATE 1-5-91
APPROVED BY Richard L. Mann TITLE CARLSBAD RESOURCE ENV.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

RECEIVED

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Bureau of Minerals and Natural Resources Department

Form C-182
Revised 1-1-89

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, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Alamogordo, 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. 93
Unit Letter N	Section 20	Township 17 South	Range 31 East	County Eddy	
Actual Footage Location of Well: 1140 feet from the South line and 2560 feet from the West line					
Ground level Elev. 3690	Producing Formation Grayburg		Pool Grayburg-Jackson		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).

SINGLE LEASE

3. If more than one lease or different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

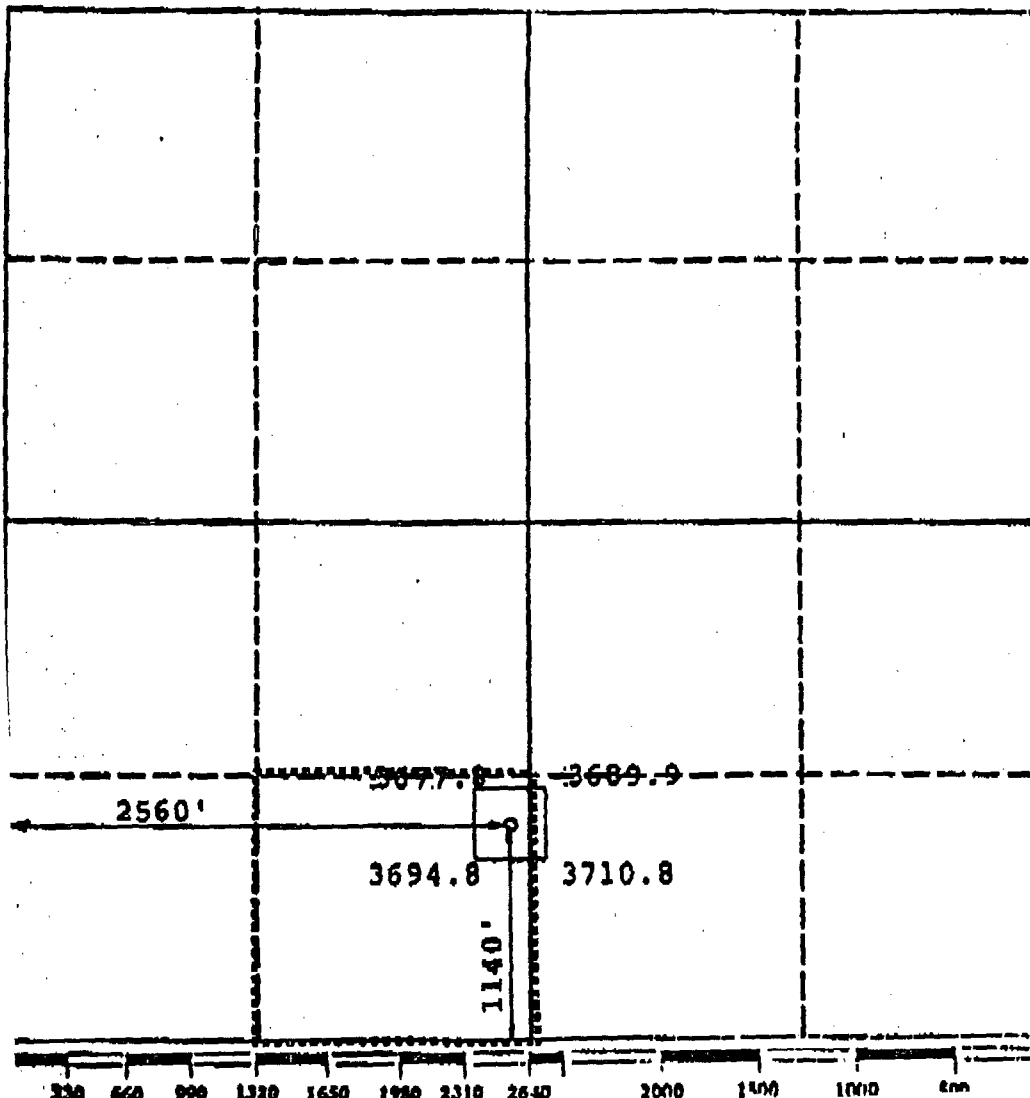
☐ Yes

☐ 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

Printed Name

JERRY W. LONG

Position

Permit Agent

Company

AVON ENERGY CORPORATION

Date

November 23, 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.

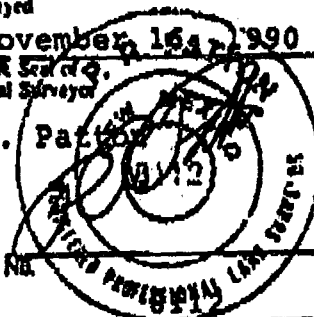
Date Surveyed

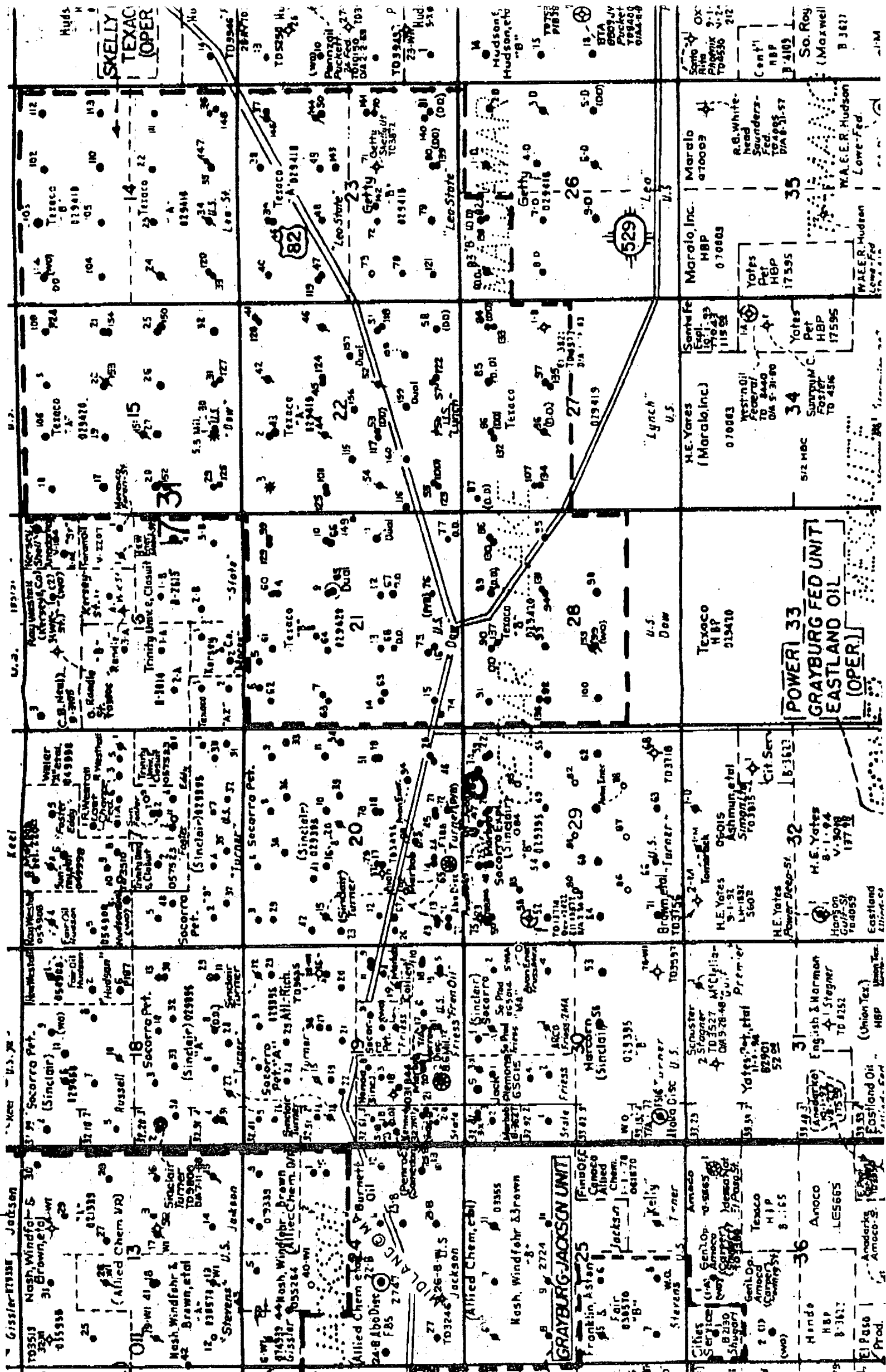
November 16, 1990

Signature & Seal of
Professional Surveyor

P. R. Patton

Certificate No.







NSL-3018

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. 96

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. 96~~
Unit G, Section 29, T-17-S, R-31-E
Eddy County, New Mexico
Location: 2590 FNL & 2590 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 dark ink, appearing to read 'M. L. Solich', written over the typed name.

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 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

OPERATOR'S COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN 1 LOCATE
(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. 915-685-4338

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 2590' FEL, Sec. 20-17S-31E (Unit G)
At proposed prod. zone (SWNE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Same

5.3 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)
2590'

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 ABANDONED FOR, ON THIS LEASE, FT.
863'±

19. PROPOSED DEPTH
3500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DV, RT, GR, etc.)
3663' 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' (tieback)	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.

24. SIGNED Jerry H. Long TITLE Permit Agent DATE JANUARY 1, 1991
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
APPROVED BY TITLE DATE 1-15-91
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

6. LEASE DESIGNATION AND SERIAL NO.
LC 029395-B
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Turner "B"
9. WELL NO.
96
10. FIELD AND POOL OR WILDCAT
Grayburg-Jackson
11. SEC., T., R., OR S.E., AND SURVEY OR AREA
Sec. 20-17S-31E
12. COUNTY OR PARISH
Eddy
13. STATE
N.M.

RECEIVED
JAN 3 10 33 AM '91
CARRIZO
AFTER

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1080, Hobbs, NM 88240

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

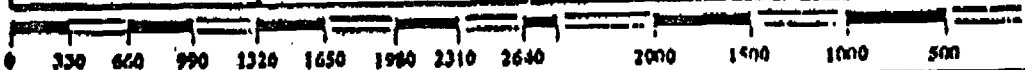
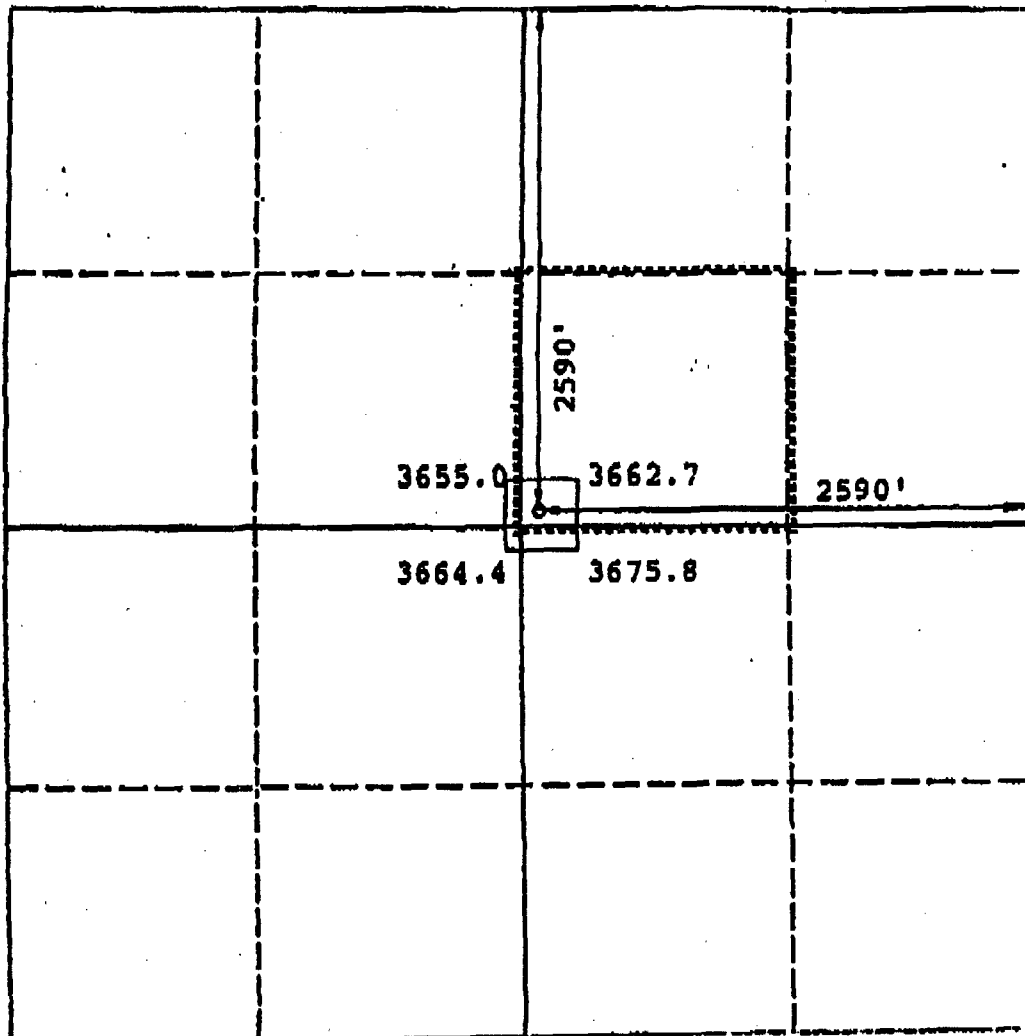
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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. 96
Unit Letter G	Section 20	Township 17 South	Range 31 East	County Eddy	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 2590 feet from the North line and 2590 feet from the East line </div>					
Ground level Elev. 3663	Producing Formation Grayburg	Pool Grayburg-Jackson	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 or different ownership is dedicated to the well, have the interest of all owners been consolidated by communalization, 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 communalization, unitization, force-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 W. Long*
 Printed Name: **JERRY 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 27, 1990**

Signature & Seal of Professional Surveyor:
P. R. Patterson
P. R. Patterson
 (Professional Surveyor Seal)
 Certificate No. _____

