

DEVON
ENERGY
OPERATING
CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

OIL CONSERVATION DIVISION

RECEIVED

405/235-3611

Fax 405/552-4550

Fax 405/552-4552

January 19, 1996

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87504 - 2088

Attention: Mike Stogner

Re: Non - Standard Location Approval

Dear Sir:

It is requested that administrative approval be granted under Rule 104F. (1) for unorthodox location for the infill producing well located within the Russell-Turner Waterflood Project, at the following location:

WELL

LOCATION

C. A. Russell #18

330' FNL & 1350' FEL, Sec. 18-17S-31E

Attached is a plat of the Russell-Turner Waterflood Project showing the project boundaries that are adjacent to the subject wells. Forms 3160 - 3 and C - 102 are attached for the well listed above. The Russell-Turner Waterflood project is located on federal property and each proposed well is to be part of this active waterflood project.

The above location does not conform to Rule 104. C. I. because it is located closer than 330' to the eastern lease line. It will be drilled to a depth sufficient to produce the Grayburg - San Andres formation (approximately 4000'). The well will be drilled at the unorthodox location in order to prevent waste by developing an efficient production and injection pattern within the Russell-Turner Waterflood Project, which was approved under Order R - 3185. When fully developed this well will combine with the existing wells (some of which will eventually be converted to injection) to establish a 40 acre 5 spot waterflood pattern.

The C. A. Russell #18 will be located 30' from the eastern edge of the Russell lease. Devon Energy Operating Corporation is the operator of the adjoining lease to the east (the Hudson Federal lease), therefore, no notification is necessary.

Should you require any additional information regarding any of these unorthodox locations please notify me at 405-552-4527.

Sincerely,


Karen Byers
Engineering Technician

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. 3521
Order No. R-3185

APPLICATION OF SINCLAIR OIL & GAS
COMPANY FOR THREE WATERFLOOD PROJ-
ECTS, EDDY COUNTY, NEW MEXICO.

See Also Order No. R-3185

R-3185-A

R-3528

R-3528-A

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 25, 1967, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 1st day of February, 1967, 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 & Gas Company, seeks authority to institute three waterflood projects in the Grayburg-Jackson Pool by the injection of water into the Grayburg-San Andres formations through two wells on its C. A. Russell Lease, eight wells on its Turner "A" Lease; and nine wells on its Turner "B" Lease in Sections 17, 18, 19, and 20, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico.

(3) That the applicant also seeks an administrative procedure whereby said projects could be expanded to include additional lands and injection wells in the area of said projects as may be necessary in order to complete an efficient injection pattern.

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

CASE No. 3521
Order No. R-3185

(5) That the proposed waterflood projects should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) That the subject application should be approved and the projects 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 & Gas Company, is hereby authorized to institute three waterflood projects in the Grayburg-Jackson Pool by the injection of water into the Grayburg-San Andres formations through the following-described 19 wells in Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico:

Sinclair Russell Grayburg-Jackson Waterflood Project

Injection wells:

C. A. Russell Well No. 6	979' FNL & 1400' FWL	Section 18
C. A. Russell Well No. 10	2147' FNL & 2374' FWL	Section 18

Sinclair Turner "A" Grayburg-Jackson Waterflood Project

Injection wells:

Turner "A" SP Well No. 2	2220' FSL & 427' FWL	Section 18
Turner "A" SP Well No. 5	332' FNL & 670' FWL	Section 19
Turner "A" SP Well No. 6	568' FSL & 1707' FWL	Section 18
Turner "A" SP Well No. 9	408' FNL & 1994' FEL	Section 19
Turner "A" SP Well No. 10	1940' FSL & 1839' FEL	Section 18
Turner "A" SP Well No. 11	589' FSL & 655' FEL	Section 18
Turner "A" SP Well No. 15	1635' FNL & 1698' FWL	Section 19
Turner "A" SP Well No. 35	700' FEL & 1840' FNL	Section 19

Sinclair Turner "B" Grayburg-Jackson Waterflood Project

Injection wells:

Turner "B" SP Well No. 3	309' FNL & 666' FWL	Section 20
Turner "B" SP Well No. 4	700' FSL & 1751' FWL	Section 17
Turner "B" SP Well No. 5	1989' FSL & 625' FWL	Section 17
Turner "B" SP Well No. 8	504' FNL & 2064' FEL	Section 20
Turner "B" SP Well No. 11	1785' FNL & 725' FEL	Section 20
Turner "B" SP Well No. 30	680' FSL & 632' FEL	Section 17
Turner "B" SP Well No. 41	1635' FNL & 1665' FWL	Section 20
Turner "B" SP Well No. 67	1650' FSL & 660' FWL	Section 20
Turner "B" SP Well No. 78	2130' FSL & 1980' FEL	Section 20

(2) That the subject waterflood projects shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of said projects to include such additional lands and injection wells in the area of said projects as may be necessary to complete an efficient water injection pattern.

(3) That monthly progress reports of the waterflood projects 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

esr/

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

CASE No. 3521
Order No. R-3185-A

IN THE MATTER OF THE APPLICATION OF
SINCLAIR OIL & GAS COMPANY FOR THREE
WATERFLOOD PROJECTS, EDDY COUNTY,
NEW MEXICO.

See Also Order No.

R-3185

R-3528

R-3528-A

NUNC PRO TUNC ORDER

BY THE COMMISSION:

It appearing to the Commission that through inadvertence, Order No. R-3185, dated February 1, 1967, does not reflect the true and correct locations of certain existing wells which were authorized for conversion to water injection by said order,

IT IS THEREFORE ORDERED:

(1) That the following well locations are hereby substituted in lieu of those shown in Order No. R-3185 to correctly reflect the locations of water injection wells authorized by said Order No. R-3185:

Sinclair Russell Grayburg-Jackson Waterflood Project

Injection wells:

C. A. Russell Well No. 6	990' FNL & 1384' FWL	Section 18
C. A. Russell Well No. 10	2200' FNL & 2665' FEL	Section 18

Sinclair Turner "A" Grayburg-Jackson Waterflood Project

Injection wells:

Turner "A" SP Well No. 2	2200' FSL & 440' FWL	Section 18
Turner "A" SP Well No. 5	330' FNL & 660' FWL	Section 19
Turner "A" SP Well No. 6	660' FSL & 1980' FWL	Section 18
Turner "A" SP Well No. 9	330' FNL & 1980' FEL	Section 19
Turner "A" SP Well No. 10	1980' FSL & 1830' FEL	Section 18
Turner "A" SP Well No. 11	660' FSL & 660' FEL	Section 18
Turner "A" SP Well No. 15	1650' FNL & 1980' FWL	Section 19
Turner "A" SP Well No. 35	1800' FNL & 660' FEL	Section 19

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

-2-

CASE No. 3521

Order No. R-3185-A

CASE No. 3521
Order No. R-3185-A

Sinclair Turner "B" Grayburg-Jackson Waterflood Project

Injection wells:

Well No.	Depth	Formation	Section
Turner "B" SP Well No. 330	660'	FNL & 660' FWL	Section 20
Turner "B" SP Well No. 4	660'	FSL & 1980' FWL	Section 17
Turner "B" SP Well No. 5	1980'	FSL & 660' FWL	Section 17
Turner "B" SP Well No. 8	660'	FNL & 1980' FEL	Section 20
Turner "B" SP Well No. 11	1980'	FNL & 660' FEL	Section 20
Turner "B" SP Well No. 30	660'	FSL & 660' FEL	Section 17
Turner "B" SP Well No. 41	1650'	FNL & 1650' FWL	Section 20
Turner "B" SP Well No. 67	1650'	FSL & 660' FWL	Section 20
Turner "B" SP Well No. 78	2080'	FSL & 1980' FEL	Section 20

That this order shall be effective nunc pro tunc as of February 1, 1967, for conversion to water injected.

DONE at Santa Fe, New Mexico, on this 19th day of February, 1968.

That the following well locations are hereby substituted for those shown in Order No. R-3185 to correctly reflect the locations of water injection wells authorized by said Order.

STATE OF NEW MEXICO

OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUXTON B. HAYS, Member

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

S E A L

Well No.	Depth	Formation	Section
SP Well No. 330	660'	FNL & 660' FWL	Section 20
SP Well No. 4	660'	FSL & 1980' FWL	Section 17
SP Well No. 5	1980'	FSL & 660' FWL	Section 17
SP Well No. 8	660'	FNL & 1980' FEL	Section 20
SP Well No. 11	1980'	FNL & 660' FEL	Section 20
SP Well No. 30	660'	FSL & 660' FEL	Section 17
SP Well No. 41	1650'	FNL & 1650' FWL	Section 20
SP Well No. 67	1650'	FSL & 660' FWL	Section 20
SP Well No. 78	2080'	FSL & 1980' FEL	Section 20

esr/

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
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
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

S E A L

esr/

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

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

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

CASE NO. 10290
Order No. R-3528-A

APPLICATION OF AVON ENERGY CORPORATION
FOR AMENDMENT OF DIVISION ORDER NOS.
R-3185, R-3185-A AND R-3528 TO EXPAND
THE VERTICAL LIMITS AND TO ESTABLISH
AN INJECTION PRESSURE LIMITATION FOR
THE TURNER "B" LEASE WATERFLOOD PROJECT,
EDDY COUNTY, NEW MEXICO.

See Also Order No.

R-3185

R-3185-A

R-3528

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on August 8, 1991, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 23rd day of September, 1991, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) By Order No. R-3185, dated February 1, 1967, the Division authorized Sinclair Oil & Gas Company to institute three waterflood projects, the Russel Grayburg-Jackson Waterflood Project, Turner "A" Grayburg-Jackson Waterflood Project, and the Turner "B" Grayburg-Jackson Waterflood Project, said projects comprising all or portions of Sections 17, 18, 19, 20, 29 and 30, Township 17 South, Range 31 East, NMPM, Grayburg-Jackson Pool, Eddy County, New Mexico, by the injection of water into the Grayburg-San Andres formation through two, eight and nine injection wells located within said projects, respectively.

(3) By Nunc Pro Tunc Order No. R-3185-A, dated February 19, 1968, the Division corrected certain injection well locations authorized by said Order No. R-3185.

(4) By Order No. R-3528, dated October 9, 1968, the Division authorized Sinclair Oil Corporation to expand its Turner "B" Grayburg-Jackson Waterflood Project by the injection of water into the Premier Sand member of the Grayburg formation through twelve injection wells located in Sections 20, 29 and 30, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico, hereinafter referred to as the "Expansion Area".

(5) The current boundaries of the Russel Grayburg-Jackson Waterflood Project, Turner "A" Grayburg-Jackson Waterflood Project, Turner "B" Grayburg-Jackson Waterflood Project (including the "Expansion Area"), and the Grayburg-Jackson Friess-Fren Waterflood Project (also located in said Sections 19 and 30 and approved by Division Order No. R-4306) are as follows:

Russel Grayburg-Jackson Waterflood Project
TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Section 18: NW/4, W/2 NE/4

Turner "A" Grayburg-Jackson Waterflood Project
TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Section 18: S/2
Section 19: N/2

Turner "B" Grayburg-Jackson Waterflood Project
TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Section 17: NW/4 SW/4, S/2 S/2
Section 20: All
Section 29: All
Section 30: SE/4

Grayburg-Jackson Friess-Fren Waterflood Project
TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Section 19: E/2 SW/4, SE/4
Section 30: NE/4

(6) The Russel Grayburg-Jackson, Turner "A" Grayburg-Jackson, Grayburg-Jackson Friess-Fren and portions of the Turner "B" Grayburg-Jackson Waterflood Projects are currently owned and operated by Socorro Petroleum Company.

(7) The applicant, Avon Energy Corporation, a 50% owner of Socorro Petroleum Company, currently operates a portion of the Turner "B" Grayburg-Jackson Waterflood Project comprising the following described acreage:

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Section 20: S/2 N/2, S/2

Section 29: All

Section 30: E/2 SE/4

(8) The applicant in this case, Avon Energy Corporation, seeks the following:

- 1) The amendment of Division Order No. R-3528 by expanding the injection interval in the twelve injection wells approved by said order to include the entire Grayburg-San Andres formation;
- 2) The establishment of an injection pressure limitation of 450 psi above the formation fracture pressure as determined from step rate tests for those twelve injection wells located within the "Expansion Area".
- 3) The establishment of an administrative procedure whereby acreage currently contained within the Russel Grayburg-Jackson, Turner "A" Grayburg-Jackson, Turner "B" Grayburg-Jackson, and Grayburg-Jackson Friess-Fren Waterflood Projects may be transferred to Avon Energy Corporation and operated as a single waterflood project.

(9) According to applicant's evidence, Avon Energy Corporation currently has a farmout agreement with Socorro Petroleum Company whereby Avon earns acreage from Socorro as said acreage is drilled or otherwise further developed.

(10) Further evidence presented indicates that all of the acreage within the subject waterflood projects is Federal lands.

(11) The transfer and operation of such acreage should result in a more efficient operation, will result in the recovery of additional oil within the projects, and will not violate correlative rights.

(12) According to applicant's evidence and testimony, expansion of the injection interval within those wells located in the "Expansion Area" will result in the recovery of an additional 2.3 million barrels of oil which would not otherwise be recovered, thereby preventing waste.

(13) The proposed expansion of the injection interval within those wells located in the "Expansion Area" should be approved.

(14) The Division has determined, after consultation with the applicant prior to the hearing, that certain "Area of Review" wells located within the "Expansion Area" are not completed in such a manner which will assure that their wellbores will not serve as a conduit for migration of the injected fluid from the proposed injection zone.

(15) Prior to commencing injection operations within one-half mile of any of the following described wells, or prior to injecting into the Turner "B" Well No. 56 located in Unit J of said Section 30, the applicant should be required to perform remedial cement operations or take other action as may be necessary in order to assure that these wellbores will not serve as a conduit for migration of injected fluid to the satisfaction of the supervisor of the Artesia district office of the Division:

Turner "B" No. 55	Unit H, Section 29, T-17S, R-31E
Turner "B" No. 60	Unit K, Section 29, T-17S, R-31E
Turner "B" No. 68	Unit P, Section 29, T-17S, R-31E
Turner "B" No. 71	Unit M, Section 29, T-17S, R-31E

(16) No injection pressure limitation currently exists on any of the injection wells in the subject waterflood projects, however, by virtue of amending the injection interval in those injection wells located within the "Expansion Area", the Division would normally impose a surface injection pressure limitation on those wells equal to 0.2 psi per foot of depth to the uppermost perforations.

(17) The applicant presented the results of step-rate tests conducted on three injection wells within the "Expansion Area". The results of these step rate tests show an average formation fracture pressure of 1208 psi.

(18) The applicant's engineering study of pressure limits based upon Frac Hite, Frac Migration, and After Frac Logs (submitted as evidence in this case) provides substantial evidence to demonstrate that injection at 1650 psi (450 psi above the formation parting pressure) will not propagate fractures outside of the vertical limits of the Grayburg-Jackson Pool.

(19) The requested increase in surface pressure limitations for the "Expansion Area" will approximate the surface injection pressure for the original injection wells for which no pressure limit was imposed.

(20) Engineering studies conducted on behalf of the applicant have demonstrated that the water injected into the original injection wells at pressures up to an average of 1870 psi remained confined to the Grayburg-Jackson Pool.

(21) There is no indication that water injected into the original injection wells at pressures higher than those sought by the applicant in this case has moved water outside of the vertical limits of the Grayburg-Jackson Pool.

(22) Applicant's request is similar to the request previously approved by the Division Order R-2268-C for Socorro Petroleum Company and for which no adverse effects have been reported.

(23) Injection into the twelve subject injection wells at a surface injection pressure of approximately 450 psi above formation fracture pressure will allow the recovery of additional oil reserves within the Grayburg-Jackson Pool, thereby preventing waste, will not endanger any fresh water aquifers, and should therefore be approved.

(24) As the reservoir pressure in the "Expansion Area" increases as a result of the injection of water, it will be necessary to periodically increase the surface pressure limitation for the project which should be authorized administratively.

(25) The applicant should be required to submit a request to the Santa Fe and Artesia offices of the Division and to the United States Bureau of Land Management (BLM) for transfer of acreage from the Socorro Petroleum Company operated Turner "A" Grayburg-Jackson, Turner "B" Grayburg-Jackson, Grayburg-Jackson Friess-Fren and Russel Grayburg-Jackson Waterflood Projects into the Avon operated Turner "B" Grayburg-Jackson Waterflood Project. Such request should be in general letter form along with a plat of the projects showing the requested acreage to be transferred.

IT IS THEREFORE ORDERED THAT:

(1) Division Order Nos. R-3185, R-3185-A and R-3528 are hereby amended authorizing Avon Energy Corporation to inject water into the Grayburg-San Andres formation, Grayburg-Jackson Pool, through the twelve injection wells (previously approved for injection by Order No. R-3528) shown on Exhibit "A" attached hereto located within the "Expansion Area" of the Turner "B" Grayburg-Jackson Waterflood Project comprising all or portions of Sections 20, 29 and 30, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico.

(2) The twelve subject injection wells or pressurization system shall be equipped with a pressure limiting device which will limit the surface injection pressure on said wells to no more than 1650 psi.

(3) The Division Director shall have the authority to administratively approve subsequent pressure increases on said wells to 450 psi above fracture pressure, provided, however, that step-rate tests, temperature surveys, tracer surveys or other supporting data the Division may deem necessary accompany such requests.

(4) The Division Director shall also have the authority to reduce or rescind said injection pressures should it become apparent that the injected fluid is not being adequately confined to the Grayburg-Jackson Pool.

(5) Prior to commencing injection operations within one-half mile of any of the following described wells, or prior to injecting into the Turner "B" Well No. 56 located in Unit J of said Section 30, the applicant shall perform remedial cement operations or take other action as may be necessary in order to assure that these wellbores will not serve as a conduit for migration of injected fluid to the satisfaction of the supervisor of the Artesia district office of the Division:

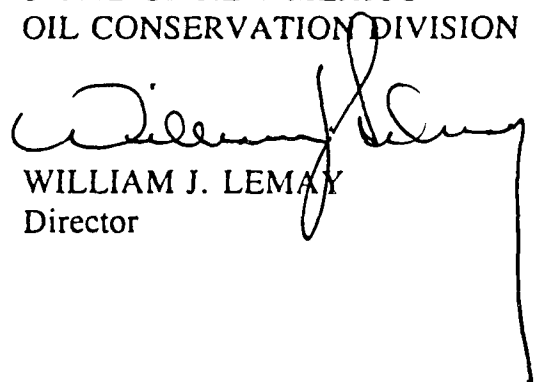
Turner "B" No. 55	Unit H, Section 29, T-17S, R-31E
Turner "B" No. 60	Unit K, Section 29, T-17S, R-31E
Turner "B" No. 68	Unit P, Section 29, T-17S, R-31E
Turner "B" No. 71	Unit M, Section 29, T-17S, R-31E

(6) The Division Director may authorize the transfer of acreage currently contained within the Socorro Petroleum Company operated Turner "A" Grayburg-Jackson, Turner "B" Grayburg-Jackson, Grayburg-Jackson Friess-Fren and Russel Grayburg-Jackson Waterflood Projects into the Avon operated Turner "B" Grayburg-Jackson Waterflood Project provided a request for such transfer of acreage is submitted to the Santa Fe and Artesia offices of the Division and to the United States Bureau of Land Management (BLM). Such request shall be in general letter form along with a plat of the projects showing the requested acreage to be transferred.

(7) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

EXHIBIT "A"
CASE NO. 10290
DIVISION ORDER NO R-3528-A
TURNER "B" GRAYBURG-JACKSON WATERFLOOD PROJECT

Well Number	Location	Unit	S-T-R	Injection Perforations	Packer Depth	Tubing Size	Injection Pressure
Turner "B" No. 44	660' FSL & 2055' FWL	N	20-17S-31E	TBD*	TBD*	2 3/8	1650
Turner "B" No. 46	660' FSL & 760' FEL	P	20-17S-31E	TBD*	TBD*	2 3/8	1650
Turner "B" No. 47	560' FNL & 1980' FEL	B	29-17S-31E	3045' - 3412'	2945'	2 3/8	1650
Turner "B" No. 50	660' FNL & 660' FWL	D	29-17S-31E	2978' - 3330'	2878'	2 3/8	1650
Turner "B" No. 54	1980' FNL & 1980' FWL	F	29-17S-31E	3108' - 3404'	3008'	2 3/8	1650
Turner "B" No. 55	1980' FNL & 660' FEL	H	29-17S-31E	TBD*	TBD*	2 3/8	1650
Turner "B" No. 56	1980' FSL & 1980' FEL	J	30-17S-31E	TBD*	TBD*	2 3/8	1650
Turner "B" No. 61	1980' FSL & 1980' FEL	J	29-17S-31E	3254' - 3646'	3154'	2 3/8	1650
Turner "B" No. 64	1980' FSL & 660' FWL	L	29-17S-31E	3146' - 3557'	3046'	2 3/8	1650
Turner "B" No. 66	660' FSL & 1980' FWL	N	29-17S-31E	3281' - 3678'	3181'	2 3/8	1650
Turner "B" No. 68	660' FSL & 660' FEL	P	29-17S-31E	TBD*	TBD*	2 3/8	1650
Turner "B" No. 76	660' FSL & 660' FEL	P	30-17S-31E	TBD*	TBD*	2 3/8	1650


*TBD - To Be Determined

New Mexico Oil Conservation Division

Please Deliver This Fax:

TO: Karen Byers

WITH: Devon Energy Operating Corporation

FROM: Michael E. Stogner 

DATE: January 29, 1996

SUBJECT: Division Administrative Order NSL-3623.

MESSAGE: Per our telephone conversation this afternoon, attached is a copy of the subject order for your C. A. Russell Well No. 18, to be drilled in Unit B of Section 18, Township 17 South, Range 31 East, NMPM, Grayburg-Jackson Pool, Eddy County, New Mexico. Should you have any questions please call me in Santa Fe at (505) 827-8185.

PAGES: Including Cover Sheet - 3

*If you should have any trouble receiving
this "Fax" Please call: 505-827-7133*

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

01/29/96 13:40:15
OGOMES -EME9
PAGE NO: 1

Sec : 18 Twp : 17S Rng : 31E Section Type : NORMAL

1 31.99 Federal owned A A	C 40.00 Federal owned A A	B 40.00 Federal owned A A	A 40.00 Federal owned
2 32.10 Federal owned A	F 40.00 Federal owned A A A	G 40.00 Federal owned A	H 40.00 Federal owned A A A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

OGRID Identifier

Prop Identifier

API Well Identifier

Surface Locn - UL

Multiple comp (S/M/C)

Spud Date

Casing/Linear Record:

: 136025 DEVON ENERGY OPERATING CORP

: 15973 C A RUSSELL

: 30 15 28794

: B Sec : 18 Twp : 17S Range : 31E Lot Idn :

: N TVD Depth (Feet) :

:

:

Well No : 18

MVD Depth (Feet):

P/A Date :

S Size

Grade Weight

Depth(ft)

Depth(ft)

Hole Size

Cement

TOC

(inches)

(lb/ft)

Top-Liner

Bot-Liner

(inches)

(Sacks)

(feet)

Code

E0004: No matching record found. Enter data to create.

PF01 HELP

PF02

PF03 EXIT

PF04 GoTo

PF05

PF06 CONFIRM

PF07

PF08

PF09 COMMENT

PF10 TLOG

PF11

PF12

API Well No : 30 15 5222 Eff Date : 09-01-1994 WC Status : A
 Pool Idn : 28509 GRAYBURG JACKSON;7 RVRs-QU-GB-SA
 OGRID Idn : 136025 DEVON ENERGY OPERATING CORP
 Prop Idn : 15973 C A RUSSELL

Well No : 009
 GL Elevation: 3705

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
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B.H. Locn : B	18	17S	31E	FTG	999 F S	FTG 999 F E	P

Lot Identifier:
 Dedicated Acre: 40.00
 Lease Type : F
 Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC