



ROCKY MOUNTAIN DIVISION

MIDLAND PARTNERS
CARLTON BEAL
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL

BTA OIL PRODUCERS

104 SOUTH PECOS
MIDLAND, TEXAS 79701
AC 915-682-3753

ROCKY MOUNTAIN DIVISION
555-17TH STREET
SUITE 835
DENVER, CO 80202
AC 303-292-9299

DENVER PARTNER
BARRY BEAL, JR.

April 5, 1991

RE: Application for Salt Water Disposal
Hearing 4/18/91
Case 10287
BTA - Cinco de Mayo Fed., Well No. 3-SWD
Unit D, 990' FNL & 990' FWL
Sec. 24, T18S, R32E
Lea County, New Mexico

STATE OF NEW MEXICO
Energy & Minerals Department
Oil Conservation Commission
P. O. Box 2088
Santa Fe, NM 87504-2088

Attn: Mr. David Catanach

Dear Mr. Catanach:

We hereby submit amended Items VI and VII on the above referenced application.

The "Tabulation of Data on all Wells in Review Area" dated 4/05/91 will replace the data previously submitted. We are including all information available on the casing as cemented, whether circulated to surface or by calculating the top of cement on all strings.

Item VII includes additional data on BTA's production in Section 24.

Should further information be required prior to the hearing, please advise.

Sincerely,

DOROTHY HOUGHTON
For BTA Oil Producers

DH/pdi

Enclosures

cc: Hobbs District Office

Cinco de Mayo, Well No. 3-SWD
Lea County, New Mexico
April 5, 1991
Attachment to C-108

B T A OIL PRODUCERS

VI. Tabulation of Data on all Wells in Review Area

<u>Well:</u>	BTA Oil Producers Cinco de Mayo Fed No. 1
<u>Location:</u>	660' FNL & 1980' FWL -C-, Sec. 24, T18S, R32E Lea County, N.M.
<u>Type:</u>	Water Injection Well
<u>Total Depth:</u>	14,905'
<u>Construction:</u>	13-3/8" @ 757' w/1050 sx - Circ 9-5/8" @ 4657' w/1500 sx - Circ CIBP @ 4325' - capped w/cmt
<u>Date Drilled:</u>	3-29-60 -- Drilled by Ralph Lowe (Yates Federal #1) 5-05-73 -- Re-entry by Burleson & Huff
<u>Record of Completion:</u>	Perfs: 4011 - 4240' IPF: 65 BOPD Comp: 5-13-73
<u>Converted to WIW:</u>	Perfs: 4014 - 4290' (Injection) Comp: 5-19-78
<u>Well:</u>	BTA Oil Producers Cinco de Mayo Fed No. 2
<u>Location:</u>	1980' FNL & 660' FWL -E-, Sec. 24, T18S, R32E Lea County, N.M.
<u>Type:</u>	Oil Producer
<u>Total Depth:</u>	4,311'
<u>Construction:</u>	10-3/4" @ 328' w/ 325 sx - Circ 5-1/2" & 4-1/2" @ 4311' w/ 150 sx - TOC 3366'
<u>Date Drilled:</u>	3-01-74
<u>Record of Completion:</u>	Perfs: 3998 - 4258' IPF: 82 BOPD Comp: 3-26-74

Well: Mewbourne Oil Company
Federal -P-, No. 2

Location: 1980' FNL & 330' FWL
-E-, Sec. 24, T18S, R32E
Lea County, N.M.

Type: Oil Producer

Total Depth: 8,725'

Construction: 13-3/8" @ 430' w/ 450 sx - Circ
8-5/8" @ 4330' w/1950 sx - Circ
5-1/2" @ 8725' w/1425 sx - Circ 75 sx

Date Drilled: 8-05-89

Record of Completion: Perfs: 8468 - 8524'
IPF: 41 BOPD
Comp: 9-30-89

Well: Mewbourne Oil Company
Federal -P-, #1

Location: 660' FNL & 660' FWL
-D-, Sec. 24, T18S, R32E
Lea County, N.M.

Type: Oil Producer

Total Depth: 8,680'

Construction: 13-3/8" @ 452' w/ 450 sx - Circ 50 sx
8-5/8" @ 4347' w/1600 sx - Circ 50 sx
5-1/2" @ 8680' w/1425 sx - Circ

Date Drilled: 3-31-89

Record of Completion: Perfs: 8473 - 8545'
IPF: 200 BOPD
Comp: 5-07-89

Well: Mewbourne Oil Company
Federal -L-. #4

Location: 660' FNL & 1650' FEL
-B-, Sec. 23, T18S, R32E
Lea County, N.M.

Type: Oil Producer

Total Depth: 8,760'

Construction: 13-3/8" @ 438' w/ 400 sx - Circ 50 sx
8-5/8" @ 4318' w/1600 sx - Circ 50 sx
5-1/2" @ 8760' w/1325 sx - Circ

Date Drilled: 11-03-87

Record of Completion: Perfs: 8431 - 8510'
IPF: 240 BOPD
Comp: 12-11-87

Well: Santa Fe Energy Operating Partners, L.P.
Shinnery -14- Federal #2

Location: 330' FSL & 660' FEL
-P-, Sec. 14, T18S, R32E
Lea County, N.M.

Type: Oil Producer

Total Depth: 9,931'

Construction: 13-3/8" @ 435' w/ 500 sx - Circ
8-5/8" @ 2750' w/2875 sx - Circ 250 sx
5-1/2" @ 9910' w/1325 sx - Circ
DV @ 7224'

Date Drilled: 3-10-89

Record of Completion: Perfs: 8496 - 8526'
IPF: 97 BOPD
Comp: 6-16-89

Well: Mewbourne Oil Company
Federal -M- #1

Location: 330' FSL & 330' FWL
-M-, Sec. 13, T18S, R32E
Lea County, N.M.

Type: Oil Producer

Total Depth: 8,670'

Construction: 13-3/8" @ 450' w/ 400 sx - Circ
8-5/8" @ 4332' w/1220 sx - Circ
5-1/2" @ 8670' w/1425 sx - Circ

Date Drilled: 2-18-89

Record of Completion: Perfs: 8424 - 8514'
IPF: 250 BOPD
Comp: 3-24-89

Well: Mewbourne Oil Company
Federal -L- #5

Location: 660' FNL & 660' FEL
-A-, Sec. 23, T18S, R32E
Lea County, N.M.

Type: Oil Producer

Total Depth: 8,650'

Construction: 13-3/8" @ 460' w/ 400 sx - Circ
8-5/8" @ 4330' w/1475 sx - Circ
5-1/2" @ 8650' w/1275 sx - Circ

Date Drilled: 4-15-88

Record of Completion: Perfs: 8430 - 8575'
IPF: 147 BOPD
Comp: 6-05-88

Well: Mewbourne Oil Company
Federal -L- #6

Location: 1880' FNL & 660' FEL
-H-, Sec. 23, T18S, R32E
Lea County, N.M.

Type: Oil Producer

Total Depth: 8,650'

Construction: 13-3/8" @ 448' w/ 475 sx - Circ
8-5/8" @ 4330' w/1575 sx - Circ
5-1/2" @ 8650' w/1400 sx - Circ

Date Drilled: 7-24-88

Record of Completion: Perfs: 8436 - 8520'
IPF: 165 BOPD
Comp: 9-16-88

VII. Proposed Operation

1. The average injection rate is estimated at 500 BWPD.

The proposed maximum injection rate is 1000 BWPD.

2. The system will be open. If the wells' disposal capacity is such to handle additional water, other operators' wells in the area may be trucked into the storage tanks. Storage tanks will be located on the well site along with a powered salt water disposal pump. A salt water gathering system will transport from BTA tank batteries. BTA operates the Cinco de Mayo #1 WIW located in Unit C. Well No. 3 will be an alternate disposal.

3. The proposed average injection pressure is 1000 psi.

The proposed maximum injection pressure is 1250 psi.

4. The sources of injected water will be from the Wolfcamp and Queen. At the present time, BTA's three producing wells in the area are producing water at a rate of 750 barrels per day. The French #3 is drilling in SE/NE of Sec. 24 with the Wolfcamp target formation. The location is staked for French #4 NE/NE of Sec. 24. We are attaching two water analyses of produced water from BTA wells. See Exhibits A-1 and A-2. We are attaching a compatibility study between the Wolfcamp and the receiving formation, Queen. See Exhibit B.

5. Our proposed injection zone is productive of oil and gas within one mile of our proposed well. BTA operates the Cinco de Mayo #2 well 1000 feet southwest of Well No. 3.

VIII.

Geological Name: Queen

Lithological Detail: Injection zones are Sandstone. Between injection zones - primarily dolomite with some anhydrite, minor thin sandstone present as well.

Thickness: 310'

Depth: 3,972'

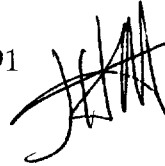
Geological Data of Drinking Water Zone: The underground source of drinking water overlying the zone of disposal is the Ogallala, which occurs from 50 to 250 feet and is approximately 200' thick.

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY
ANNIE-LAURIE COOGAN

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

April 11, 1991



HAND-DELIVERED

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

RECEIVED

OIL CONSERVATION DIVISION

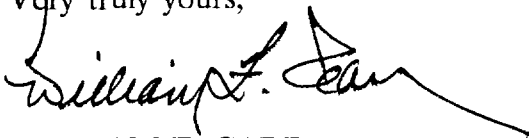
Re: Oil Conservation Division Case No. 10287
In the Matter of the Application of BTA Oil Producers for Salt Water
Disposal, Lea County, New Mexico

Dear Mr. LeMay:

BTA Oil Producers respectfully requests that this matter which is currently set on the Division docket for the April 18, 1991 hearings be continued to the May 2, 1991 Examiner docket.

Your attention to this matter is appreciated.

Very truly yours,



WILLIAM F. CARR

WFC:mlh

cc: Mr. Steve Salmon
BTA Oil Producers
104 South Pecos
Midland, Texas 79701

OIL AND GAS



ROBERT N. ENFIELD · P.O. BOX 2431 · SANTA FE, N.M. 87504-2431 · 505-988-2863

OIL CONSERVATION DIVISION

RECEIVED

'91 APR 18 AM 9 19

April 15, 1991

RE: Case No. 10287

NM Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504

Dear Sirs:

I am writing with respect to the application of BTA for a saltwater disposal well to be located at Unit D, Section 24, T-18-S, R-32-E, Lea County, New Mexico.

As operator of section 19, T-18-S, R-33-E (immediately to the east of section 24), I would certainly prefer saltwater injection be made in a deeper formation than the Queen. However, in the event their application is approved for disposal in the Queen formation, I would like to request that BTA be restricted to an injection pressure gradient of no more than 0.5 PSI per foot. We feel this will protect all operators from having to drill through an over-pressured Queen formation and having to handle a possible saltwater flow.

Very truly yours,

A handwritten signature in black ink that reads 'Robert N. Enfield'. The signature is written in a cursive style with a large, prominent 'R' and 'E'.
Robert N. Enfield

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY
ANNIE-LAURIE COOGAN

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

April 30, 1991

HAND-DELIVERED

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

RECEIVED

APR 30 1991

OIL CONSERVATION DIV
SANTA FE

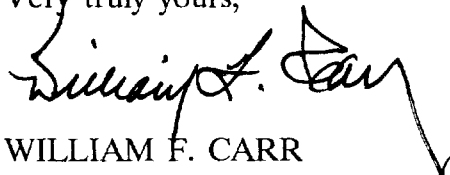
Re: Oil Conservation Division Case No. 10287
In the Matter of the Application of BTA Oil Producers for Salt Water
Disposal, Lea County, New Mexico

Dear Mr. LeMay:

BTA Oil Producers respectfully requests that this matter which is currently set on the Division docket for the May 2, 1991 hearings be continued to the May 30, 1991 Examiner docket.

Your attention to this matter is appreciated.

Very truly yours,


WILLIAM F. CARR



WFC:mlh

cc: Mr. Steve Salman
BTA Oil Producers
104 South Pecos
Midland, Texas 79701

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY
ANNIE-LAURIE COOGAN

AM
5-28-91
JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

May 28, 1991

RECEIVED

MAY 28 1991

OIL CONSERVATION DIVISION

HAND-DELIVERED

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

Re: Oil Conservation Division Case No. 10287
In the Matter of the Application of BTA Oil Producers for Salt Water
Disposal, Lea County, New Mexico

Dear Mr. LeMay:

BTA Oil Producers respectfully requests that this matter which is currently set on the Division docket for the May 30, 1991 hearings be continued to the June 27, 1991 Examiner docket.

Your attention to this matter is appreciated.

Very truly yours,

William F. Carr
WILLIAM F. CARR

WFC:mlh

cc: Mr. Steve Salman
BTA Oil Producers
104 South Pecos
Midland, Texas 79701

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY
ANNIE-LAURIE COOGAN

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

June 19, 1991

HAND-DELIVERED

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

WFC

RECEIVED
RECEIVED

JUN 19 1991

OIL CONSERVATION DIVISION
OIL CONSERVATION DIVISION

Re: Oil Conservation Division Case No. 10287
In the Matter of the Application of BTA Oil Producers for Salt Water
Disposal, Lea County, New Mexico

Dear Mr. LeMay:

BTA Oil Producers would appreciate the Division dismissing the above-referenced hearing presently scheduled on the June 27, 1991 Examiner docket.

Your attention to this matter is appreciated.

Very truly yours,

William F. Carr
WILLIAM F. CARR

WFC:mlh

cc: Mr. Steve Salman
BTA Oil Producers
104 South Pecos
Midland, Texas 79701



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

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

July 1, 1991

CAMBELL & BLACK
Attorneys at Law
P. O. Box 2208
Santa Fe, New Mexico 87504

RE: CASE NO. 10287
ORDER NO. R-9541

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

Florene Davidson

Florene Davidson
OC Staff Specialist

FD/sl

cc: BLM Carlsbad
Robert Enfield