



BTA OIL PRODUCERS

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

W-72
Aug 27

August 7, 1968

In re: Salt Water Disposal
Section 5, T-9-S, R-36-E,
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Dear Sir:

BTA Oil Producers is hereby applying for administrative approval to dispose of water in the San Andres zone of its Bond #1 (formerly WEK Harris Federal #1) located 990' FSL & 660' FEL Section 5, T-9-S, R-36-E, Lea County, New Mexico.

We anticipate disposing 4000 barrels of produced Pennsylvanian (Bough C) water per day into the San Andres formation at a depth of 4800' with a surface pressure of approximately 350 psi. Although we do not have a water analysis at this time, a DST indicated the San Andres water contains chlorides in the neighborhood of 132,000 ppm, and analysis of the Bough C water in the immediate area indicates chlorides of 73,000 ppm.

The enclosed data is submitted in support of this application.

Yours very truly,

WILLIAM G. KERN
For BTA Oil Producers

WGK:gh
cc: Mr. Reynolds
Mr. Ramey

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NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR BTA Oil Producers		ADDRESS 104 South Pecos Street	
LEASE NAME 685 Ltd. Bond	WELL NO. SWD #1	FIELD Undesignated	COUNTY Lea
LOCATION UNIT LETTER P WELL IS LOCATED 990 FEET FROM THE south LINE AND 660 FEET FROM THE east LINE, SECTION 5 TOWNSHIP 9-S RANGE 36-E NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	8 5/8"	416'	175 sx
INTERMEDIATE			
LONG STRING	4 1/2"	5022'	150 sx
TUBING	2 3/8"	4000'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson L-30 packer @ 4800'
NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 4186'	BOTTOM OF FORMATION 5450' Est.
IS INJECTION THROUGH TUBING, CASING, OR ANNULUST Tubing		PERFORATIONS OR OPEN HOLES Perforations	PROPOSED INTERVAL(S) OF INJECTION 4835-55'; 4914-22'; 4942-70'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Test the San Andres Zone		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Unknown		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 9700'
ANTICIPATED DAILY INJECTION VOLUME (BBL) 4000 BPD	MINIMUM 1000 BPD	MAXIMUM 5000 BPD	OPEN OR CLOSED TYPE SYSTEM Closed
IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure		APPROX. PRESSURE (PSI) 300#	
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - Yes		WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes
ARE WATER ANALYSES ATTACHED? No			
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Mr. F. C. Bonds, Crossroads, New Mexico			
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Pubco, P. O. Box 1419, Albuquerque, New Mexico, Attn: Chas. Ramsey			
60 AUG 12 1968			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? yes	SURFACE OWNER yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL yes	THE NEW MEXICO STATE ENGINEER yes
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) yes	PLAT OF AREA yes	ELECTRICAL LOG yes	DIAGRAMMATIC SKETCH OF WELL yes

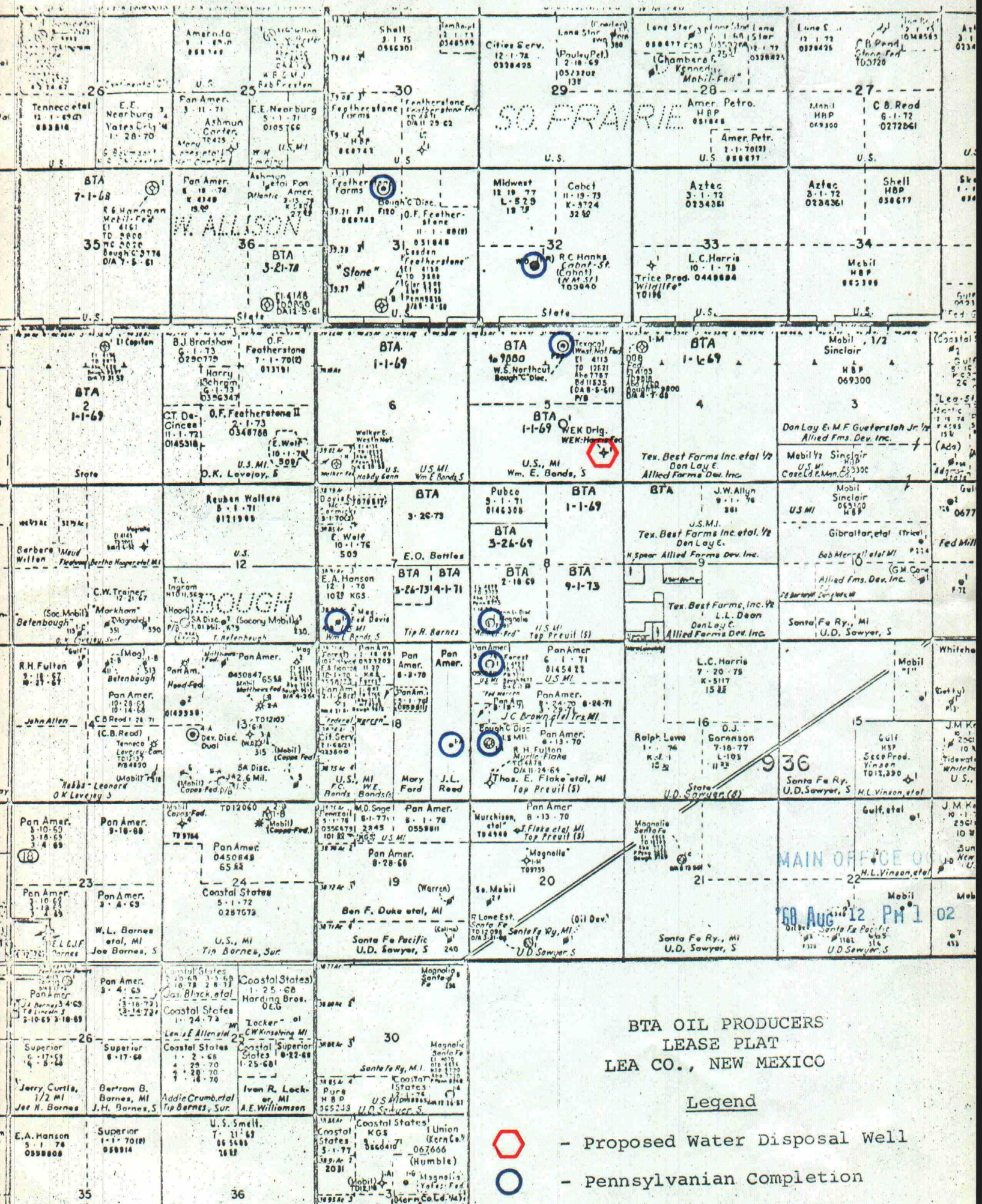
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

(Signature)

(Title)

(Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.



BTA OIL PRODUCERS
LEASE PLAT
LEA CO., NEW MEXICO

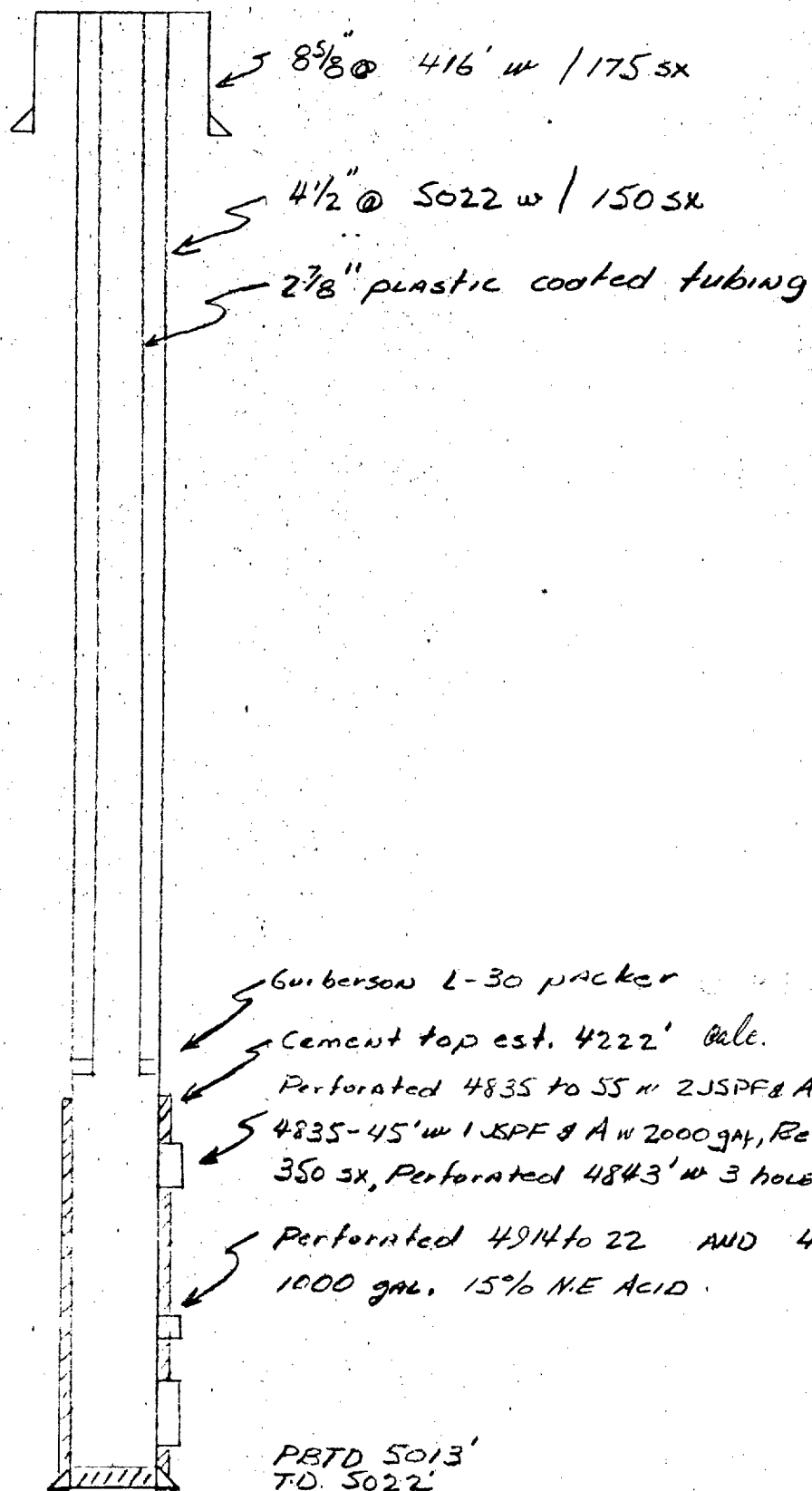
Legend

-  - Proposed Water Disposal Well
-  - Pennsylvanian Completion

scale 1" = 4000'

Date 7-22-68

Well Bore Sketch
Bond #1 SWD Well
5-9-36 Lea Co. New Mexico



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GAMMA RAY
API UNITSINTERVAL TRANSIT TIME
MICROSECONDS PER FOOT

DEPTH

12.0.2.0

100

70

40

100 200

160

130

100

CALIPER

HOLE DIAM. IN INCHES

6 16

RECORDED 7' SHALLOW



REPRODUCTION FOR RESALE PROHIBITED

SCHLUMBERGER

WILDCAT FIELD
HARRIS FEDERAL #1COUNTY LEA
FIELD OF
LOCATION WILDCAT
WELL HARRIS FEDERAL #1
COMPANY WEL DRILLING CO.

COMPANY W. E. K. DRILLING COMPANY

WELL HARRIS FEDERAL #1

FIELD WILDCAT

COUNTY LEA STATE NEW MEXICO

LOCATION 990' FSL
660' FELOther Services:
M.L.L. FDC.
SNP

Sec. 5 Twp. 9-S Rge. 32-E

Permanent Datum: GROUND LEVEL Elev. 4112
Log Measured From KB 8 Ft. Above Perm. Datum
Drilling Measured From KBElev. K.B. -
D.F. -
G.L. 4112

Date 7-8-66

Run No. ONE

Depth-Driller 5022

Depth-Logger 5000

Btm. Log Interval 4991

Top Log Interval 25

Casing-Driller 8 5/8" 419

Casing-Logger 419

Bit Size 7 7/8"

Type Fluid in Hole SAL WATER

Dens. Visc. 9.2 38

pH Fluid Loss 6.4 16.8 ml

Source of Sample CIRC

R₁ @ Meas. Temp. 108° 72 °FR₂ @ Meas. Temp. 108° 75 °FR₃ @ Meas. Temp. 108° 75 °FSource R₁ R₂ R₃ HR₁ @ BHT 107° 108 °F

Time Since Circ. 4 HOURS

Max. Rec. Temp. 108 °F

Equip. Location 3719 MONA

Recorded By CASLEY

Witnessed By REYNOLDS

Reproduced by

West Texas Electrical Log Service

Midland, TEXAS 79701

REFERENCE W8139H



COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

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PERFORATING RECORD

ACID. FRAC SHOT

I.P.

LOR

GR

T.P.

C.P.

REMARKS:

REMARKS

Changes in Mud Type or Additional Samples

Date Sample No.

Depth-Driller

Type Fluid in Hole

Scale Changes

Type Log Depth

Scale Up Hole Scale Down

Dens. Visc.

pH Fluid Loss

Source of Sample

R₁ @ Meas. Temp.R₂ @ Meas. Temp.R₃ @ Meas. Temp.Source R₁ R₂ R₃ HR₁ @ BHTR₂ @ BHTR₃ @ BHT

Equipment Data

Run No. Tool Type

Pad Type Tool Pos. Other

C.D. USED 30 MAX

Equip. Used: CART. No.

PANEL No.

SONDE No.

SLC-A-30

SLP-A-24

SLS-A-150

CALIBRATION

GAMMA RAY

BACKGND.

CPS

45

SOURCE

CPS

468

GALV. INCR.

DIVISIONS

82.5

SENS. TAP

(FOR CAL.)

800

SENS. TAP

(RECORD)

400

TIME

CONST.

2

RECORDING

SPEED (FT./MIN.)

30



BTA OIL PRODUCERS

104 SOUTH PECOS
MIDLAND, TEXAS 79701

AC 915-662-3753

August 7, 1968

In re: Administrative Approval
For Salt Water Disposal

Mr. F. C. Bonds
Crossroads, New Mexico

Dear Sir:

Please be advised that BTA Oil Producers is submitting an application for administrative approval to dispose of water in the San Andres formation of its Bond #1 SWD well (formerly WEK Harris Federal #1) located in Section 5, T-9-S, R-36-E, Lea County, New Mexico.

The attached plat shows the ownership and production in the immediate area of the proposed disposal well.

If you have no objection to this application, please sign the attached waiver and send the original in the addressed envelope to:

Mr. A. L. Porter, Jr.
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Yours very truly,

WILLIAM G. KERN
For BTA Oil Producers

WGK:gh

Enclosures: Waiver
NMOCC Form 108
Land Plat

68 AUG 12 PM 1:02

In re: Waiver of Objection to Water Disposal Well
 Section 5, T-9-S, R-36-E,
 Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Dear Sir:

Please be advised that I (Mr. F. C. Bonds, surface owner of Section 5, T-9-S, R-36-E, Lea County, New Mexico) have been duly informed by BTA Oil Producers of their application for administrative approval to dispose of produced water in the San Andres zone of their Bond #1 SWD well located 990' FSL & 660' FEL Section 5, T-9-S, R-36-E, Lea County, New Mexico.

I hereby waive all objections to granting approval of BTA Oil Producers application.

Yours very truly,

F. C. BONDS

60 AUG 12 PM 1 00



CARLTON BEAL
SOLE OWNER

BTA OIL PRODUCERS

104 SOUTH PECOS
MIDLAND, TEXAS 79701

AC 915-682-3753

August 7, 1968

In re: Administrative Approval
For Salt Water Disposal

Pubco Oil Corporation
P. O. Box 1419
Albuquerque, New Mexico 87100

Attention: Mr. Charles Ramsey

Dear Sir:

Please be advised that BTA Oil Producers is submitting an application for administrative approval to dispose of water in the San Andres formation of its Bond #1 SWD well (formerly WEK Harris Federal #1) located in Section 5, T-9-S, R-36-E, Lea County, New Mexico.

The attached plat shows the ownership and production in the immediate area of the proposed disposal well.

If you have no objection to this application, please sign the attached waiver and send the original in the addressed envelope to:

Mr. A. L. Porter, Jr.
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Yours very truly,

WILLIAM G. KERN
For BTA Oil Producers

WGK:gh
Enclosures: Waiver
NMOCC Form 108
Land Plat

68 AUG 12 11 11 AM

In re: Waiver of Objection to Water Disposal Well
Section 5, T-9-S, R-36-E,
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Dear Sir:

The undersigned being an authorized representative of Pubco Oil Company has been duly informed by BTA Oil Producers of their application for administrative approval to dispose of produced water in the San Andres zone of their Bond #1 SWD well located 990' FSL & 660' FEL Section 5, T-9-S, R-36-E, Lea County, New Mexico.

Pubco Oil Company hereby waives all objections to granting approval of BTA Oil Producers application.

Yours very truly,

For Pubco Oil Company

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