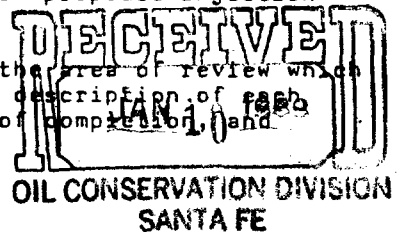


APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Grace Petroleum Corporation
Address: 10700 North Freeway, Suite 620 Houston, Texas 77037
Contact party: Mike Pavelka Phone: (713) 820-0002
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Mike Pavelka Title: Operations Engineer
Signature: Mike Pavelka Date: 1/3/89
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.



DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

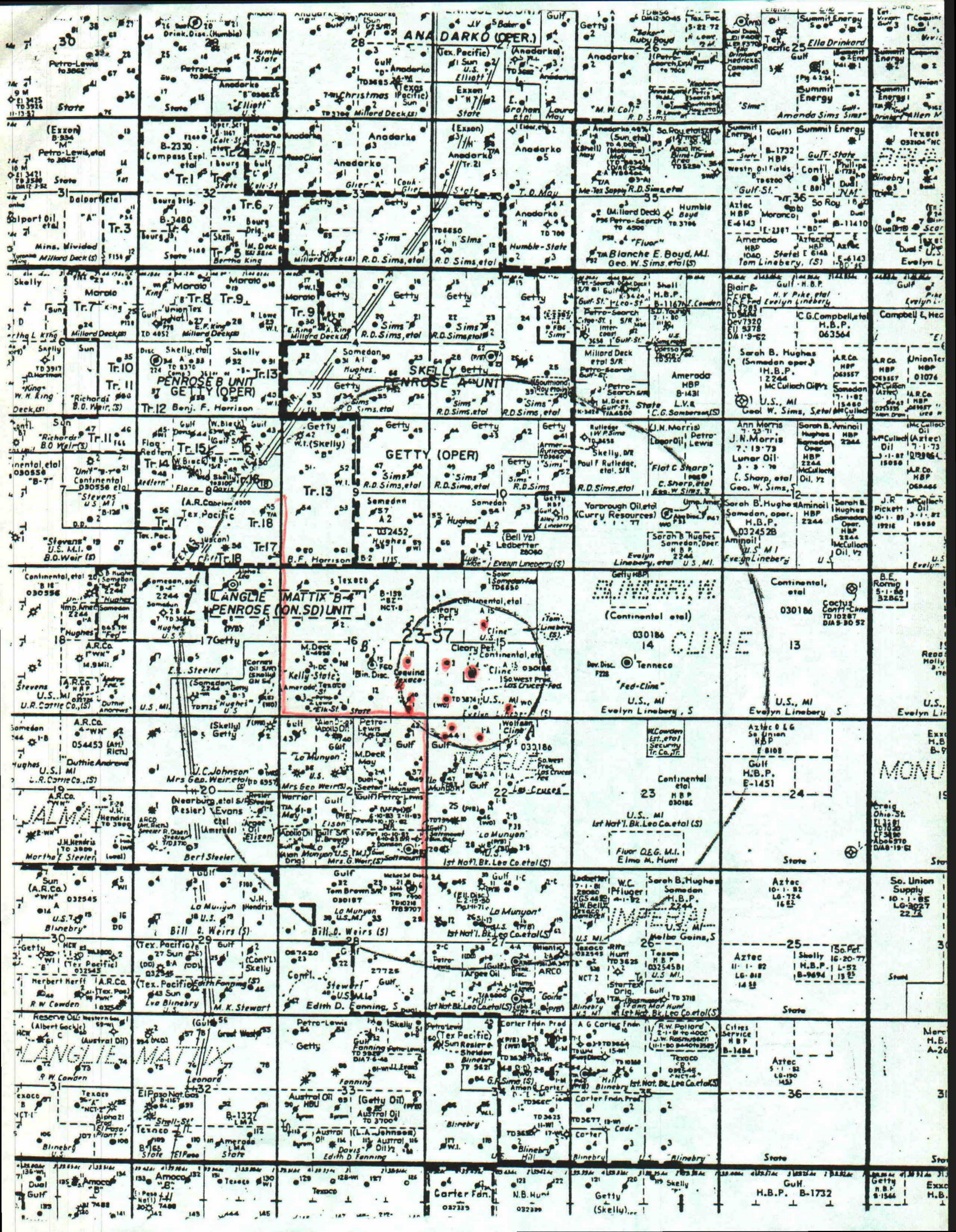
All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.



Advertisement for the General Public of Notice of the Grace Petroleum Corporation's intent to convert a producing well to A Salt Water Disposal Utility Well:

Grace Petroleum Corporation
10,700 North Freeway
Suite 620
Houston, Texas 77037
(713) 820-0002
Mike Pavelka

The Grace Petroleum Corporation is applying for approval with the New Mexico Conservation Department to dispose of produced Field Salt Water into the Cline Federal No. 4 located 1653' FWL & 1650' FSL of Sec. 15, T23S, R37E. The salt water will be injected into the Penrose (3616'-3640' and 3564' to 3578'), Queen (3431'-3432'), 7 Rivers (2992'-2952') and Yates 2680', 2782', 2890', 2912') at a maximum rate of 250 barrels per day with a maximum injection pressure of 150 pounds per square inch.

NOTE: Interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days of this ad.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, George W. Moore

of the Hobbs Daily News-Sun, a
daily newspaper published at
Hobbs, New Mexico, do solemnly
swear that the clipping attached
hereto was published once a week
in the regular and entire issue of
said paper, and not a supplement
thereof for a period

of _____

One weeks.
Beginning with the issue dated

December 6, 1988
and ending with the issue dated

December 6, 1988

George W. Moore
Publisher.

Sworn and subscribed to before

me this 7 day of

December, 1988

Debra Murphy
Notary Public.

My Commission expires _____

November 14, 1992
(Seal)

This newspaper is duly qualified to
publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for said
publication has been made.

RECEIVED

DEC 12 1988

HOUSTON
DISTRICT

46 LEGAL NOTICE
December 6, 1988
Advertisement for the
General Public of Notice of
the Grace Petroleum cor-
poration's intent to convert
a producing well to A Salt
Water Disposal Utility
Well:
Grace Petroleum
Corporation
10,700 North
Freeway
Suite 620
Houston, Texas
77037
(713) 820-0002
Mike Pavelka
The Grace Petroleum
Corporation is applying for
approval with the New
Mexico Conservation De-
partment to dispose of
produced Field Salt Water
into the Cline Federal No. 2
located 1653' FWL & 1650'
FSL of Sec. 15, T23S, R37E.
The salt water will be in-
jected into the Penrose
(3616'-3640' and 3564' to
3578'), Queen (3431'-3432'),
7 Rivers (2992'-2952') and
Yates (2680', 2782', 2890',
2912') at a maximum rate
of 250 barrels per day with
a maximum injection pres-
sure of 150 pounds per
square inch.
NOTE: Interested
parties must file objections
or requests for hearing
with the Oil Conservation
Division, P. O. Box 2088,
Santa Fe, New Mexico
87501 within 15 days of this
ad.
Bill Lynn
Eunice

P 430 178 042

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	TEXACO, Inc
Street and No.	P.O. Box 728
P.O., State and ZIP Code	Hobbs, N.M. 88240
Postage	\$
Certified Fee	2.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	11/25/88

P 430 178 043

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	CONOCO Oil Co.
Street and No.	P.O. Box 460
P.O., State and ZIP Code	Hobbs, N.M. 88240
Postage	\$
Certified Fee	2.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

P 430 178 044

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	KAISER-FRANCIS
Street and No.	1240 MARKET STREET
P.O., State and ZIP Code	Odessa, Texas 79765
Postage	\$
Certified Fee	2.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

P 430 178 045

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Chevron USA
Street and No.	P.O. Box 670
P.O., State and ZIP Code	Hobbs, N.M. 88240
Postage	\$
Certified Fee	2.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

P 430 178 047

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	MR Tom Linberry
Street and No.	P.O. Box 1536
P.O., State and ZIP Code	Midland, TX 79701
Postage	\$
Certified Fee	2.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

P 430 178 046

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Joseph P. Driscoll
Street and No.	2706 NATIONAL Circle
P.O., State and ZIP Code	GARLAND, TX 75041
Postage	\$
Certified Fee	2.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

List of Companies & Addresses for Cline Federal No. 4
SWD well.

Texaco, Inc.
P. O. Box 728
Hobbs, NM 88240

Conoco Oil Co.
P. O. Box 460
Hobbs, NM 88240

Kaiser-Francis
1240 Market Street
Rt. 1 Box 208
Odessa, Texas 79765

Chevron, USA
P. O. Box 670
Hobbs, NM 88240

Joseph P. Driscoll
Oil & Gas Investors
2706 National Circle
Garland, Texas 75041

Land Owner

Mr. Tom Linberry
P. O. Box 1536
Midland, Texas 79701

Item VII.

1. The average daily injection will be 145 barrels. The maximum daily rate would be 250 barrels.
2. The system will be closed.
3. The average injection pressure will be 50 psi. The maximum injection pressure will be 150 psi.
4. All reinjected fluid will be produced water from oil and gas production.
5. The injection zones are the Queens, Penrose and 7 Rivers which were previously produced oil and gas.

Item VIII.

Injection Zone:

Lithologic Detail: Gray Dolomite
Geological Name: Penrose
Thickness: 38 feet Top 3531'
Depth: 3564'-3578' and 3616'-3640'

Injection Zone:

Lithologic Detail: Gray Dolomite
Geological Name: Queen Top: 3427
Thickness: 2 feet
Depth: 3431'-3432'

Injection Zone:

Lithologic Detail: Gray Dolomite
Geological Name: 7 Rivers Top: 2915
Thickness: 8 feet
Depth: 2992', 3223', 3261', 3286', 3381',
3382', 2923', 2951'

Injection Zone:

Lithologic Detail: Red Sand and Gray Dolomite
Geological Name: Yates Top: 2638
Thickness: 4 feet
Depth: 2680', 2782', 2890', 2912'

Item IX.

None stimulation is proposed.

Item X.

Log previously submitted.

Item XI.

Water Well and A and B water analysis are attached and noted on enclosed map.

Item XII.

After examining the area in question I can find no evidence to show fault or hydrologic connection between the disposal zone and any underground source of drinking water.

WILLIAM JAYCOX/ANDREWS LAB

(DWMTXDO)(DWMTXDO)

WATER WELL A

RECEIVED

AUG 15 1988

DOWELL SCHLUMBERGER LABORATORY REPORT
ANDREWS DISTRICT LABORATORY

HOUSTON
DISTRICT

API WATER ANALYSIS REPORT

COMPANY: GRACE PETROLEUM CORP. DATE: 8-10-88
COUNTY AND STATE: ANDREWS, TEXAS LAB NO.: ANXS88102
SUBMITTED BY: BRENT TRITTIPO LAB: ANDREWS
SERVICE POINT: ANDREWS DATE SAMPLED: 8-8-88

LEASE AND WELL: LANGLIE MATTIX TYPE WATER: FRESH(SUPPLY)

SAMPLE NUMBER: E FIELD: LANGLIE MATTIX

	MG/L *****	ME/L *****
CATIONS:		
SODIUM, NA (CALC.) -----	20	1
CALCIUM, CA -----	70	4
MAGNESIUM, MG -----	30	2
BARIUM, BA -----	-	-
IRON, FE -----	0.3	0

ANIONS:		
CHLORIDE, CL -----	160	5
SULFATE, SO4 -----	100	2
CARBONATE, CO3 -----	1	0
BICARBONATE, HCO3 -----	1	0

TOTAL DISSOLVED SOLIDS (CALC.): -- 382 MG/L

OTHER PROPERTIES:

PH -----	8.6
SPECIFIC GRAVITY -----	1.000
TEMPERATURE -----	70 F

WILLIAM JAYCOX
LAB TECHNICIAN
ANDREWS, TEXAS

0000

WILLIAM JAYCOX/ANDREWS LAB

(DWLMTXDO)(DWLMTXDO)

WATER WELL B

W

DOWELL SCHLUMBERGER LABORATORY REPORT
ANDREWS DISTRICT LABORATORY

API WATER ANALYSIS REPORT

RECEIVED

AUG 15 1988

HOUSTON
DISTRICT

COMPANY: GRACE PETROLEUM CORP. DATE: 8-10-88
COUNTY AND STATE: ANDREWS, TEXAS LAB NO.: ANXS88102
SUBMITTED BY: BRENT TRITTIPO LAB: ANDREWS
SERVICE POINT: ANDREWS DATE SAMPLED: 8-8-88

LEASE AND WELL: LANGLIE MATTIX TYPE WATER: FRESH(SUPPLY)

SAMPLE NUMBER: W FIELD: LANGLIE MATTIX

	MG/L *****	ME/L *****
CATIONS:		
SODIUM, NA (CALC.) -----	20	1
CALCIUM, CA -----	160	8
MAGNESIUM, MG -----	15	1
BARIUM, BA -----	-	-
IRON, FE -----	0.2	0

ANIONS:		
CHLORIDE, CL -----	250	7
SULFATE, SO4 -----	150	3
CARBONATE, CO3 -----	0	0
BICARBONATE, HCO3 -----	5	0.1

TOTAL DISSOLVED SOLIDS (CALC.): -- 600 MG/L

OTHER PROPERTIES:

PH -----	7.9
SPECIFIC GRAVITY -----	1.000
TEMPERATURE -----	69 F

WILLIAM JAYCOX
LAB TECHNICIAN
ANDREWS, TEXAS

OPERATOR	LEASE			
11	1980' FSL & 660' FEL	16	23S	37E
WELL NO.	LOCATION	SECTION	TOWNSHIP	RANGE

SchematicInsular DataSurface Casing

Size 9-5/8 " Cemented with 650 sx.
TOC _____ feet determined by _____
Hole size 12 1/4 @ 1080'

Intermediate Casing

Size _____ " Cemented with _____ sx.
TOC _____ feet determined by _____
Hole size _____

Long string

Size 4 1/2 " Cemented with 1800 sx.
TOC _____ feet determined by _____
Hole size 8-3/4 @ 3670'
Total depth 3670

Injection interval

_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 08-12-59 to 08-17-59

COMPLETION: 09-12-59

PERFORATION: 3458' to 3583'

Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet
(brand and model)
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation _____
- Name of field or Pool (if applicable) Langlie Mattix
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

COMPANY	TEXACO, INC.	NO.	11	FARM	STATE OF N. M. "BZ"	POSTED MAP	
COUNTY	LEA	STATE	NM	ELEV.	3305' DF		LAND E
FIELD	Lanellie Mattix	Depth	3670'	CONTRACTOR	GEO.		
LOCATION	1080' EST, 660' EST, Sec. 16, T-23-S, R-37-E						

T.D.	3670' L	P.B.	3650	REPT.	8-17-59
PAY	3458			SPUD	8-17-59
I.P.	F/116 BOPD 20/64" ck			COMP.	9-12-59
GOR.	6510	GRAV.	36.5	TOTAL TREATMENT:	
		CP	680	ACID /	1000
		TP	560	FRAC. /	15,000

[illegible]

8-19-59: 880' RB.
8-26-59: 3015' A.
9-2-59: 3670' L. 3650' MORT.
9-9-59: F/LO, Perf: 56/3458'-72', 64/3518'-34', 40/3
56', 40/3573'-83', A/100 SF/15,000

GRACE PETROLEUM CORP.

Cline Federal

OPERATOR	LEASE			
4	1650' FSL & 1653' FWL	15	23S	37E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

SchematicTubular DataSurface Casing

Size 8-5/8" Cemented with 300 sx.
 TOC Surface feet determined by Cement Returns
 Hole size 11"

Intermediate Casing

Size _____ Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size 5 1/2" Cemented with 300 sx.
 TOC 244 Calculated feet determined by _____
 Hole size 7-7/8"
 Total depth 3680

Injection interval

2992 feet to 3640 feet
 (perforated or open-hole, indicate which) Perforated

Tubing size 2-3/8 lined with _____ set in a
 (material)
 (brand and model) packer at 2900' feet
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Queen, Penrose, and 7 Rivers
- Name of Field or Pool (if applicable) Langlie Mattix
- Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? Produce Oil and Gas
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. T Penrose-3532', T Queen-3427', Top 7 Rivers 2915'

٤

**POSTED
MAP**

FIRST
REPT. 9-23-59

SPUD 9-23-59

COMP. 10-25-59

TOTAL TREATMENT:

ACID / _____
FRAC. / 30,000

[illegible]

9-30-59: L 3380' L & A.
10-7-59: TD 3680' dolo. Rng logs.
10-14-59: TD 3680' dolo. P/SF. Perf: 56/3564-78, 96/
-40.
10-21-59: TD 3680' dolo. PB ?? F/loads. SF/30,000
000#.
10-28-59: TD 3680' dolo. Ps 3659'. Rec LO.
11-4-59: TD 3680' dolo. Hold for comp.

CONTINENTAL OIL CO.

Cline "A-15" Federal

OPERATOR

LEASE

#3

1980' FSL & 60' FWL

15

23S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicLog DataSurface CasingSize 8-5/8 " Cemented with 250 sx.

TOC _____ feet determined by _____

Hole size 11" @ 372'Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/2 " Cemented with 1000 sx.TOC Calculated by Calc. feet determined by _____

Hole size _____

Total depth 7-7/8" @ 3671Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 11-23-59

COMPLETION: 12-09-59

PERFORATION: 3555' - 3634'

Tubing size _____ lined with _____ set in a

(material)

packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation _____
- Name of Field or Pool (if applicable) Langlie Mattix
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

COMPANY	CONVENTIONAL OIL CO.	NO.	3	FARM	CLINT "A-15" FEDERAL	MAP	
COUNTY	LEA	STATE	NM	ELEV.	3308' DF.	LAND	
FIELD	Landlie attix	Depth	3670' 0	CONTRACTOR		GEO.	B
LOCATION	1950' FSL, 6 0' FTL, Sec. 15, T-23-S, R-37-E						

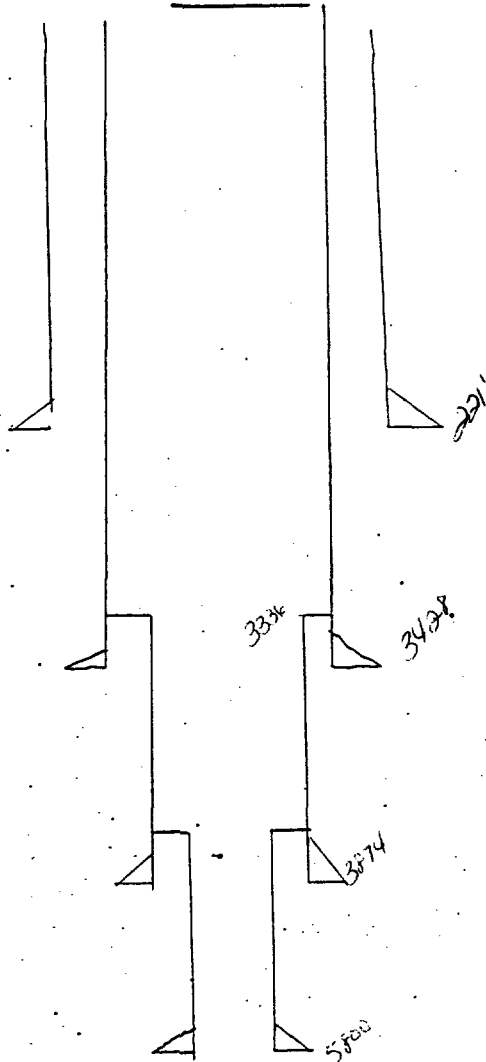
T.D.	3671'	P.B.		REF. I.	
PAY	3555'			SPUD	11-23-50
I.P.	F/234 BOPD based on 78 BO, 8 hrs, on 18/61" chr.			COMP.	12-9-59
GOR.	1756	GRAV.	36	TOTAL TREATMENT:	
		CP	950	ACID /	1000
		TP	600	FRAC. /	10,000

[illegible]

12-2-59: 3465' L.
12-9-59: TD 3671' do 10. F/10. Perf: 12/3555-58, 12/3
79, 12/3582-85, 20/3589-94, 12/3609-12, 20/3729-34,
A/1000, 3F/10,000 + 15,000 (3555-3634').

OPERATOR	LEASE			
2	660' FSL & FWL	15	23S	37E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic



Tabular Data

Surface Casing

Size 13-3/8 " Cemented with 200 sx.TOC Surface - Cole feet determined by _____Hole size 17 1/2 @ 221'

Intermediate Casing

Size 9-5/8 " Cemented with 600 sx.TOC 1733' by Cole feet determined by _____Hole size 12 1/4 @ 3428'Liner
Long stringSize 7 " Cemented with 400 sx.TOC Cole feet determined by _____Hole size 8 1/2 "Total depth 3874

Injection interval

_____ feet to _____ feet
(perforated or open-hole, indicate which)

LINER

SIZE 4 1/2 " Cemented with 125 sx

TOC _____ Feet determined by _____

HOLE SIZE 6 1/2 "TOTAL DEPTH 5800'SPUD: 01-30-69COMPLETION: 3-24-69REENTRY: 6-17-80COMPLETION 7-15-80PERFORATION: 5496'-5763'

Tubing size _____ lined with _____ set in a _____

(material)

_____ packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation _____
- Name of Field or Pool (if applicable) Langlie-Mattix
- Is this a new well drilled for injection? ☐ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

IP (Seven Rivers-Queen) Perfs 3240-3598 P 32 BOPD + 35 BW.
Pot based on 24-hr test. GOR 1281; gty (NR)

IC 30-025-70001-81

COUNTY LEA FIELD Blinebry STATE NM MN 10735, OWDD

OPR CONTINENTAL OIL CO. MAP

2 Cline "A-15"

Sec 15, T-23-S, R-37-E

CO-ORD

660' FSL, 660' FWL of Sec.

Re-Spd 1-30-69

Re-Comp 3-24-69

	CLASS		EL	
	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING				
13 3/8" at 221' w/200 sx				
9 5/8" at 3428' w/600 sx				
7" lnr 3336-3874'				
4 1/2" lnr 3374-5800' w/125 sx				
LOGS EL GR RA IND HC A				
	TD 5800'			

IP (Blinebry) Perf 5496-5763' P 73 BOPD + 66 BW. Pot based on
24 hr test. GOR NR, Grav NR.

4-14-69

F.R.C. 4-17-69

PD 5800' (Blinebry)

(Orig. P&A 2-5-48, OTD 3874'; OWWO & Re-Comp

Temp. Aban. 5-5-48, OTD 3874')

TD 5800'; COMPLETE

Sqzd (3534-94') w/100 sx

Deepened from 3874' to 5800'

Ran 4 1/2" liner

Perf @ 5496', 5510', 5526', 5537', 5563', 5568',

5585', 5604', 5620', 5631', 5649', 5664', 5675',

5688', 5702', 5720', 5741', 5748', 5763' w/1 SPI

Acid (5496-5763') 2000 gals

Frac (5496-5763') 40,000 gals wtr + 60,000# sd

4-17-69

COMPLETION REPORTED

CONTINENTAL OIL CO.

Cline A-15

OPERATOR

LEASE

#3

1980' FSL 660' FWL

15

23-S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTubular DataSurface CasingSize 8-5/8" Cemented with 250 sx.

TDC _____ feet determined by _____

Hole size 11" 372'Intermediate Casing

Size _____ Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/2" Cemented with 1000 sx.

TDC _____ feet determined by _____

Hole size _____

Total depth 7-7/8" @ 3671'Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 03-20-72

COMPLETION 04-20-72

PERFORATION: 3301'-3634'

Tubing size _____ lined with _____ set in a

(material)

_____ packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation _____

2. Name of Field or Pool (if applicable) Langlie Mattix3. Is this a new well drilled for injection? ☒ Yes ☐ No

If no, for what purpose was the well originally drilled? _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

OWWO

COUNTY **LEA** FIELD **Langlie Mattix** STATE **NM MN 10734**

OPR **CONTINENTAL OIL CO.** MAP

3 Cline A-15

Sec 15, T-23-S, R-37-E CO-ORD

1980' FSL, 660' FWL of Sec

Re-Spd 3-20-72 CLASS **OWDF 3301'**

Re-Cap 4-20-72

	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING				
8 5/8" at 372' w/250 sx				
4 1/2" at 3671' w/1000 sx				
LOGS EL GR RA IND MC A				

TD 3671'

(Seven Rivers-Queen) Perfs 3301-3634' NO NEW POTENTIAL

F.R.C. 6-24-72; Opr's Elev. 3310' DF
 PD 3634' WO (Queen)
 (Orig. Continental Oil Co. #3 Cline A-15,
 comp 12-9-59 thru (Queen) Perfs 3555-3634',
 OTD 3671')

6-19-72 TD 3671; COMPLETE
 Perf @ 3301', 3334', 3360', 3402', 3486', 3505',
 3516', 3523', 3534', 3538' w/1 SPI
 Acid (3301-3538') 2500 gals
 Frac (3301-3538') 20,000 gals wtr + 30,000# sd
 Ppd 30 BO + 5 BW in 24 hrs (3301-3634')

6-24-72 COMPLETION REPORTED

Continental Oil Co.

Cline "A-15" Federal

OPERATOR

LEASE

5

1980' FNL & FWL

15

T 23-S'

R-37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicInsular DataSurface CasingSize 7-5/8 " Cemented with 200 sx.

TDC _____ feet determined by _____

Hole size 9-7/8" @ 366'Intermediate Casing

Size _____ " Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/2 " Cemented with 1390 sx.

TDC _____ feet determined by _____

Hole size 6 1/2Total depth 3700'Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 3/16/60 to 3/23/60

COMPLETION: 4/10/60

PERFORATIONS: 3579' to 3691'

Tubing size _____ lined with _____ set in a

(material)

packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation _____
- Name of Field or Pool (if applicable) Langlie Mattix
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

MAP
POSTED
E
NM-13

FIRST
REPT. 3-23-60
SPUD 3-16-60
COMP. 4-10-60
TOTAL TREATMENT:
ACID /
FRAC. / 10.000

[illegible]

3-23-60: Ø 3245' A & L.

3-30-60: TD 3700' dolo. P/Acid. Pf: 12/3579-82, 20/3596-3601, 20/3603-08, 20/3651-56, 24/3663-69, 16/3687-91.

4-6-60: TD 3700' dolo. Swbg/LO. SF/10,000 plus 20,000 (3579-91).

CONTINENTAL OIL CO.

Cline Federal "A-15"

OPERATOR

LEASE

4

330' FSL & 2310' FEL

15

23S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTubular DataSurface CasingSize 8-5/8 " Cemented with 200 sx.

TDC _____ feet determined by _____

Hole size 11" @ 361'Intermediate Casing

Size _____ " Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/2 " Cemented with 1400 sx.

TDC _____ feet determined by _____

Hole size 7-7/8"Total depth 3750'Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 02-17-60.

COMPLETION: 05-31-60

PERFORATION: 2944'-3366'

BRIDGE PLUG @ 3410'

PERFORATION: 3598'-3686'

Tubing size _____ lined with _____ set in a
(material)

(brand and model)

packer at _____ feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation _____

2. Name of field or pool (if applicable) Langlie-Mattix3. Is this a new well drilled for injection? ☒ Yes ☐ No

If no, for what purpose was the well originally drilled? _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

COUNTY	Lea	FIELD	Langlie-Matrix	STATE	N.M.	NO.	
OPR	Continental Oil Co.						MAP
NO.	4	LSK	Cline-Federal "A-15"				
SEC.	15	T.	23S	R.	37E	SUR.	CO-ORD.
LOC.	330' fr 8 Line & 2310' fr E Line of Sec.						
ML	FROM	P&A	CLASS	7L 3274			
SPUR	2-17-60	COMP.	5-31-62	FORMATION	DATUM	FORMATION	DATUM
TRY				LOG			
				Anhy	1104		
CSG & SK				Salt	1180		
	8 5/8"	361'	200	Salt	2534		
	4 1/2"	3750'	1400	Yates	2679		
				7-R	2958		
TBQ	DEPTH	SIZE		Queen	3475		
LOGS	EL	OR	RA	IND	MC	A	
				Perr	3599		
				TD 3750'	1s.	PB 3552'	
PROD INT.	(DAILY RATE)	BS&W	QH	GOR	GTY	C. P.	T. P.
PLUGGED & ABANDONED							

TD 3750' 1s., WOO.
 Perf 32/3705-13', 32/3724-30', tr. 1500 Ac.,
 swbd dry. Perf 40/3598-3608', 32/3620-28', 32/
 3636-44', 72/3668-86', tr. 1000 Ac., SF 16,000
 gals, swbd load. Re-Perf 18/3598-3608', 16/3620-
 28', 16/3636-44', 36/3668-86', tr. 1000 Ac., SF
 16,000 gals, swbd load. Re-Perf 18/3598-3608',
 16/3620-28', 16/3636-44', 36/3668-86', tr. 1000
 Ac., SF 10,000 gals.

5-31-60 TD 3750' 1s., WOO.
 6-7-60 TD 3750' 1s., WOO.
 6-14-60 TD 3750' 1s., WOO - INACTIVE
 9-19-60 TD 3750' 1s., PB 3552', swbg load.
 Perf 16/3472-80', 6/3489-3502', 16/3520-28', 6/
 3532-35', 8/3538-42', tr. 500 MA, SF 10,000 +
 20,000# sd., swbd 52 BLO/28 hrs. (-30).

Continental Oil Co., #4 Cline-Federal "A-15"-Sec. 15-23S-37E

9-26-60 TD 3750' 1s., PB 3552', SDO.
 Swbd 4 BLO/2 hrs, swbd dry.
 10-3--60 TD 3750' 1s., PB 3552', SDO.
 10-10-60 TD 3750' 1s., PB 3552', SDO.
 10-17-60 TD 3750' 1s., PB 3552', SDO.
 10-24-60 TD 3750' 1s., PB 3552', SDO.
 10-31-60 TD 3750' 1s., PB 3552', SDO - INACTIVE
 3-20-61 TD 3750' 1s., PB 3552', SDO.
 3-27-61 TD 3750' 1s., PB 3552', SDO.
 4-3-61 TD 3750' 1s., PB 3552', SDO.
 4-10-61 TD 3750' 1s., PB 3552', SDO.
 4-17-61 TD 3750' 1s., PB 3552', SDO.
 4-24-61 TD 3750' 1s., PB 3552', SDO.
 5-1-61 TD 3750' 1s., PB 3552', SDO.
 5-8-61 TD 3750' 1s., PB 3552', SDO.
 5-15-61 TD 3750' 1s., PB 3552', SDO.

5-22-61	TD 3750' 1s., PB 3552', SDO.
5-29-61	TD 3750' 1s., PB 3552', SDO.
6-5-61	TD 3750' 1s., PB 3552', SDO.
6-12-61	TD 3750' 1s., PB 3552', SDO.
6-19-61	TD 3750' 1s., PB 3552', SDO.
6-26-61	TD 3750' 1s., PB 3552', SDO - INACTIVE
9-11-61	TD 3750' 1s., PB 3552', prep to check sand-fill. Set BP @ 3410', perf 20/2944-54', 8/2958-62', 18/3026-35', 20/3056-66', 10/3118-23', 12/3128- 34', 10/3210-15', 8/3223-27', 8/3254-58', 24/ 3264-76', 16/3303-10', 4/3320-22', 16/3330-38', 10/3361-66', tr. perfs 2944-3366' w/2000 Ac., SF 30,000 + 60,000# sd. (6 stages). Swbd & Fld. 195 BLO/24', swbd dry.
9-18-61	TD 3750' 1s., PB 3552', RU Pump. Swbd 4 BLO/2 hrs.

Continental Oil Co., #4 Cline-Federal "A-15"-Sec. 15-23S-37E

9-25-61	TD 3750' 1s., PB 3552', tstg. on pump. Ppd. 2 BLO + 4 BW/24 hrs (-255).
10-2-61	TD 3750' 1s., PB 3552', ppg. load. (-237).
10-9-61	TD 3750' 1s., PB 3552', ppg. load, no gauge.
10-16-61	TD 3750' 1s., PB 3552', ppg. load.
10-23-61	TD 3750' 1s., PB 3552', ppg. load.
10-30-61	TD 3750' 1s., PB 3552', ppg. load.
11-6-61	TD 3750' 1s., PB 3552', ppg. load.
11-13-61	TD 3750' 1s., PB 3552', ppg. load. (Last posting until load oil recovered).
2-26-62	TD 3750' 1s., PB 3552', ppg. load - INACTIVE
6-4-62	TD 3750' 1s., PB 3552', PLUGGED & ABANDONED.

JOHN C. HILL

La Munyon

OPERATOR

LEASE

#1

1980' FWL & 660' FNC

22

23S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicInjection DataSurface CasingSize 8-5/8 " Cemented with 175 sx.

TDC _____ feet determined by _____

Hole size 11 @ 286'Intermediate Casing

Size _____ " Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 250 sx.

TDC _____ feet determined by _____

Hole size _____

Total depth 7-7/8 @ 3750Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 02-05-59

COMPLETION: 04-01-59

PERFORATION: 3582'-96'

Tubing size _____ lined with _____ set in a

(material)

_____ packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation _____
- Name of field or pool (if applicable) Langlie Mattix
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

1

COMPANY JOHN H. HILL NO. 1 FARM LAS CRUCES
COUNTY LEA STATE NM ELEV. 3200' DT LAND MAP POSTED F
FIELD Jalrat Depth 2750' CONTRACTOR 771111/TAYLOR GEO.
LOCATION 220' ENL 1650' ENL, Sec. 15, T-23-S, R-37-E

T.D. 3737' L P.B. 3721

PAY 3574

I.P. F/79 BO 24 hrs 1/8" ck

GOR. GRAV. 36 CP 625 TP 325

FIRST REPT. 2-1-50
SPUD 2-27-50
COMP. 4-1-59
TOTAL TREATMENT:
ACID / 500
FRAC. / 10,000

CASING RECORD	FORMATION TOPS	WELL HISTORY
8 5/8" @ 293' w/175 sx.	Penrose (3500')	± 3478-3511 rec 33' A, dol w/SO
5-1/2" @ 7327' w/225 sx.		± 3511-3543 rec 32' dolo & sd,
		w/SO. ± 3543-60 rec 37' dol & s
		w/SO. ± 3580-3612 rec 32' dol &
		sd w/SO. ± 3612-65 rec 53' dol
		sd w/SO.
PRODUCING INTERVAL		
Perf: 3574'-98'		
ELEC. LOG SURVEY / /		

3-4-59:Ø 2495' A.
3-11-59: TD 3665' L. P/Ø.
3-18-59: TD 3727' L. WOC.
3-25-59: SI.

J.C. MAN, JR. & JOHN H. HILL

Munyon Federal

OPERATOR

LEASE

2

330' FNL & 990' FWL

22

23S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTubular DataSurface CasingSize 10-3/4 " Cemented with 225 sx.

TDC _____ feet determined by _____

Hole size 12 1/2Intermediate Casing

Size _____ " Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 300 sx.

TDC _____ feet determined by _____

Hole size 8-3/4Total depth 3665Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 05-14-59

COMPLETION: 06-04-59

PERFORATIONS: 3570' - 3594'

Tubing size _____ lined with _____ set in a

(material)

_____ packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation _____

2. Name of Field or Pool (if applicable) Langlie Mattix3. Is this a new well drilled for injection? ☒ Yes ☐ No

If no, for what purpose was the well originally drilled? _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

COMPANY	J. C. MAN, JR. & JOHN H. HILL		NO.	2	FARM	MUNYON FEDERAL		MAP POSTED
COUNTY	LEA		STATE	NM	ELEV.	3307'	DF	LAND
FIELD	Lanellie Mattix		Depth	3750'	CONTRACTOR			GEO.
LOCATION	330' FWL, 990' FWL, Sec. 22, T-23-S. R-37-E							

T.D.	3661 T	P.B.		REF.	5-14-59
PAY	3570			SPUD	
I.P.	R/EI TO 24 hrs 9/6" clt			COMP.	6-11-59
GOR.		GRAV. 3F	CP 600	TP 1100	TOTAL TREATMENT:
					ACID / 250
					FRAC. / 10,000

[illegible]

5-20-59: Ø 2848' L.
5-27-59: TD 3665' L. W.C.
6-10-59: TD 3665' L, Perf: 16/35/01-701, 28/35871-01
Treated w/250 gls MA, SF/10,000 30,000 rec LC

GULF OIL CORP.

C.E. LaMunyon

OPERATOR

LEASE

44

660' FNL & FWL

22

T-23-S

R-37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTabular DataSurface CasingSize 8-5/8 " Cemented with 350 sx.

TOC _____ feet determined by _____

Hole size 11' @ 903Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 440 sx.

TOC _____ feet determined by _____

Hole size 7-7/8Total depth 5900Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 05-20-69

COMPLETION: 06-13-69

PERFORATION: 5390' - 5812'

Tubing size _____ lined with _____ set in a

(material)

_____ packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation _____
- Name of Field or Pool (if applicable) Teague
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

COUNTY LEA FIELD Teague STATE NM 30-025-23133
 OPR GULF OIL CORP. MAP
 44 LaMunyon, C. E.
 Sec 22, T-23-S, R-37-E CO-ORD
 660' FNL, 660' FWL of Sec.
 Spd 5-20-69
 Cmp 6-13-69 CLASS EL 3300'

CSO & SX TUBING
 8 5/8" at 903' w/350 sx
 5 1/2" at 5900' w/440 sx

LOGS EL GR RA IND NC A

FORMATION	DATUM	FORMATION	DATUM

TD 5900'

IP (Blinebry) Perfs 5390-5812' F 394 BOPD + 201 BW. Pot based on
 24 hr test thru 1/2" chk, TP 290#

F.R. 5-6-69
 PD 5900' (Blinebry)
 Contractor - Cactus
 5-26-69 Drlg. 3520' 1m
 6-2-69 Drlg. 5550' 1m
 6-9-69 TD 5900'; Prep perf
 6-16-69 TD 5900'; WO Pot
 Perf 5390-92', 5440-42', 5487-89', 5650-52',
 5708-10', 5756-58', 5810-12' w/4 SPF
 Acid (5390-5812') 7000 gals
 Frac (5390-5812') 60,000 gals gel wtr + 9000# sd
 Flwd 394 BO + 201 BLW in 24 hrs, thru 1/2" chk,
 TP 290#
 6-23-69 TD 5900'; COMPLETE
 6-26-69 COMPLETION REPORTED

OPERATOR

LEASE

1

330' FSL & 660' FEL

16

23S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTabular DataSurface CasingSize 8-5/8 " Cemented with 500 sx.

TDC _____ feet determined by _____

Hole size 11" @ 989'Intermediate Casing

Size _____ " Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 275 sx.

TDC _____ feet determined by _____

Hole size 7-7/8"Total depth 5890'Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 10-20-70

COMPLETION: 11-15-70

PERFORATION: 5376' to 5856'

Tubing size _____ lined with _____ set in a
(material)

_____ packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation _____
2. Name of Field or Pool (if applicable) Teague
3. Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

COUNTY LEA FIELD Teague STATE NM 30-025-2360

OPR COQUINA OIL CORP. MAP

1 Texaco - State

Sec 16, T-23-S, R-37-E

CO-ORD

330' PSL, 660' FEL of Sec

Spd 10-20-70

Cmp 11-15-70

CSG & SX - TUBING

8 5/8" at 989' w/500 sx

5 1/2" at 5890' w/275 sx

LOGS EL GR RA IND HC A

CLASS		EL	
FORMATION	DATUM	FORMATION	DATUM

TD 5890'; PBD 5884'

IP (Blinebry) Perfs 5367-5856' F 271 BOPD. Pot based on 18 hr test thru 26/64" chk. GOR 1462; Grav 38; CP 1030#; TP 180-280#.

12-3-70 F.R. 10-27-70; Opr's Elev. 3299' GL, 3311' KB
PD 5900' RT (Blinebry)
Contractor - Leatherwood
AMEND OPERATOR, Formerly reported as Way & Mills.
10-28-70 Drlg. 3892'
11-2-70 Drlg. 5445' lm
11-10-70 TD 5890'; PBD 5884'; WG Potential
Perf 5367-69', 5384-88', 5416-20', 5438-40',
5451-53', 5475-77', 5500-02', 5517-19',
5540-42', 5556-60', 5630-34', 5654-56',
5674-78', 5704-08', 5749-51', 5767-69',
5792-94', 5812-14', 5836-38', 5847-49',
5852-56' w/2 SPF
Acid (5367-5560') 1750 gals

COQUINA OIL CORP.

1 Texaco - State

Page #2

11-10-70 Continued

Frac (5367-5560') 40,000 gals wtr + 60,000# sd
Acid (5630-5856') 1750 gals

11-30-70

Frac (5630-5856') 40,000 gals wtr + 60,000# sd
TD 5890'; PBD 5884'; COMPLETE

LOG TOPS: Anhydrite 1035', Yates 2595',
Queen 3295', San Andres 3868', Glorieta
4990', Blinebry 5330'

12-3-70

COMPLETION REPORTED

TEXACO, INC.

State of N.M. "BZ"

OPERATOR

LEASE

10

660' FSL & FEL

16

23S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTubular DataSurface CasingSize 9-5/8 " Cemented with 600 sx.

TDC _____ feet determined by _____

Hole size 12 1/4 @ 1075'Intermediate Casing

Size _____ " Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 4 1/2 " Cemented with 1600 sx.

TDC _____ feet determined by _____

Hole size 8-3/4Total depth 3655'Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 10-06-59

COMPLETION: 10-27-59

PERFORATION: 3502' - 3566'

Tubing size _____ lined with _____ set in a
(material)

_____ packer at _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation _____

2. Name of field or pool (if applicable) Langlie Mattix3. Is this a new well drilled for injection? ☒ Yes ☐ No

If no, for what purpose was the well originally drilled? _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (bags of cement or bridge plug(s) used) _____

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

COMPANY	TEXACO, INC.	NO.	10	FARM	STATE OF N. M. "BZ"	POSTED MAP E
COUNTY	LEA	STATE	NM	ELEV.	3312' DF	
FIELD	Langlie Mattix	Depth	3700' Penr.	CONTRACTOR	GEO.	
LOCATION	660' FSL & FEL, Sec. 16, T-23-S, R-37-E					

T.D. 3655' P.B. 3650

PAY 3502

I.P. E/110 BO 22/61" ck

GOR. 51.50

GRAY. 38.2

CP 575

TP 475

FIRST REPT 10-7-59

SPUD 10-6-59

COMP. 10-27-50

TOTAL TREATMENT:

ACID / 800

FRAC	/	12,000
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[illegible]

10-14-59: Ø 3471' L.
10-24-29: TD 3655' L. PB 3650' MO 14'
10-28-59: Perf: 72/3502'-20', 18/3532'-14', 20/3556'-
66', W/800 A, SF/12,000 S&F/819 B10 72 hrs 18/61" ck;
TP: 1,50#, CP: 575#, rec LO.

CONTINENTAL OIL CO.

Cline

OPERATOR

LEASE

2-A-15

660' FS & WL

15

23S

37E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

SchematicTubular DataSurface CasingSize 13-3/8 " Cemented with 200 sx.

TDC _____ feet determined by _____

Hole size 17 1/2 @ 230Intermediate Casing

Size _____ " Cemented with _____ sx.

TDC _____ feet determined by _____

Hole size _____

Long stringSize 9-5/8 " Cemented with 600 sx.

TDC _____ feet determined by _____

Hole size _____

Total depth 12 1/2 @ 3409Injection interval_____ feet to _____ feet
(perforated or open-hole, indicate which)

DATE DRILLED: 12-29-47

COMPLETION: 02-05-48

PERFORATION: None

Tubing size _____ lined with _____ set in a
(material)

(brand and model)

packer at _____ feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation _____

2. Name of field or pool (if applicable) Skelly (Penrose)3. Is this a new well drilled for injection? ☒ Yes ☐ No

If no, for what purpose was the well originally drilled? _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

SOURCE

FORMATIONS

T. Yates
2590' (Samples)

ACTUAL

SUB-SEA

ACTUAL

SUB-SEA

ACTUAL

SUB-SEA

ELEVATION

T.D.

CASING

PROD. PERF.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, George W. Moore

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

of _____

One weeks.
Beginning with the issue dated

December 6, 1988
and ending with the issue dated

December 6, 1988

George W. Moore
Publisher.

Sworn and subscribed to before

me this 7 day of

December, 1988

Vera Murphy
Notary Public.

My Commission expires _____

November 14, 1992
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE

December 6, 1988

Advertisement for the General Public of Notice of the Grace Petroleum Corporation's intent to convert a producing well to A Salt Water Disposal Utility Well:

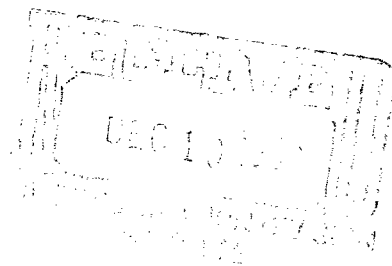
Grace Petroleum Corporation
10,700 North Freeway
Suite 620
Houston, Texas 77037

(713) 820-0002
Mike Pavelka

The Grace Petroleum Corporation is applying for approval with the New Mexico Conservation Department to dispose of produced Field Salt Water into the Cline Federal No. 4 located 1653' FWL & 1650' FSL of Sec. 15, T23S, R37E. The salt water will be injected into the Penrose (3616'-3640' and 3564' to 3578'), Queen (3431'-3432'), 7 Rivers (2992'-2952') and Yates 2680', 2782', 2890', 2912') at a maximum rate of 250 barrels per day with a maximum injection pressure of 150 pounds per square inch.

NOTE: Interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days of this ad.

Bill Lynn
Eunice





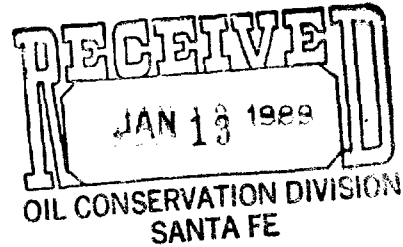
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

1-9-89

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

GARREY CARRUTHERS
GOVERNOR

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501



RE: Proposed:

MC _____
DHC _____
NSL _____
NSP _____
SWD X _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Grace Pet. Corp. Cline Federal #4-K 15-23-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed