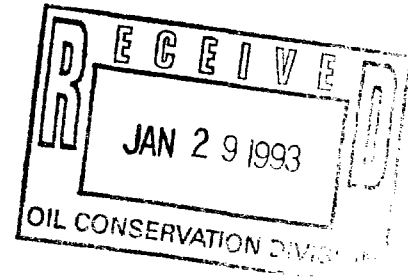


A K

**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. 10572



APPLICATION OF TEXACO EXPLORATION &
PRODUCTION INC. FOR WATERFLOOD EXPANSION,
LEA COUNTY, NEW MEXICO.

PRE-HEARING STATEMENT

This Pre-hearing Statement is submitted by William F. Carr, as required by the Oil Conservation Division.

APPEARANCES OF PARTIES

APPLICANT

Texaco Exploration & Production____
c/o Russell Pool _____
Post Office Box 730 _____
Hobbs, New Mexico 88240 _____
(505) 397-0411 _____
name, address, phone and
contact person

ATTORNEY

William F. Carr, Esq. _____
Campbell, Carr, Berge & Sheridan, P.A.
Post Office Box 2208 _____
Santa Fe, New Mexico 87504 _____
(505) 988-4421 _____

OPPOSITION OR OTHER PARTY

Doyle Hartman Oil Operator _____

name, address, phone and
contact person

ATTORNEY

J. E. Gallegos, Esq. _____
141 East Palace Avenue _____
Santa Fe, New Mexico 87501 _____
(505) 986-0741 _____

STATEMENT OF CASE

APPLICANT

(Please make a concise statement of what is being sought with this application and the reasons therefore.)

Texaco Exploration & Production Inc. seeks authority to expand its W. H. Rhodes "B" Federal Waterflood Project, authorized by Division Order No. R-2748, by converting its W. H. Rhodes "B" Federal (NCT-1) Well No. 6 located 1980 feet from the South line and 660 feet from the East line (Unit I) and its W. H. Rhodes "B" Federal (NCT-1) Well No. 13 located 990 feet from the South line and 1650 feet from the East line (Unit O) both in Section 27, Township 26 South, Range 37 East, from producing oil wells to water injection wells.

OPPOSITION OR OTHER PARTY

(Please make a concise statement of the basis for opposing this application or otherwise state the position of the party filing this statement.)

PROPOSED EVIDENCE

APPLICANT

WITNESSES (Name and expertise)	EST. TIME	EXHIBITS
Charles Saddler, Geologist	15 min.	Approximately 5
Todd Mochlenbrock, Engineer	15 min.	Approximately 3

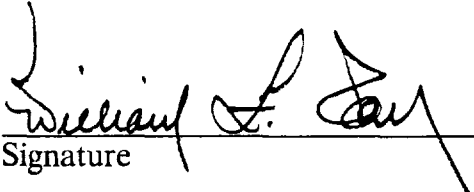
OPPOSITION

WITNESSES (Name and expertise)	EST. TIME	EXHIBITS
--	------------------	-----------------

PROCEDURAL MATTERS

(Please identify any procedural matters which
need to be resolved prior to hearing)

This case will be consolidated with Case 10573 at the time of the hearing.



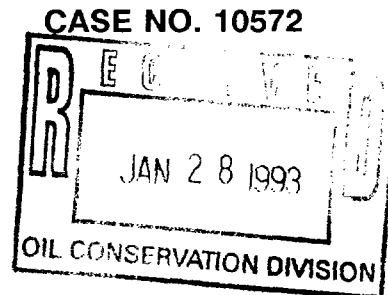
Signature

20

**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:**

**APPLICATION OF TEXACO
EXPLORATION AND PRODUCTION
INC., FOR WATERFLOOD
EXPANSION, LEA COUNTY, NEW MEXICO**



AMENDED PRE-HEARING STATEMENT

APPLICANT

**Texaco Exploration
and Production, Inc.**

OPPOSITION

Doyle Hartman, Oil Operator

ATTORNEY

**William F. Carr
Campbell, Carr, Berge &
Sheridan, P.A.
P.O. Box 2208
Santa Fe, NM 87504
(505) 988-4421**

ATTORNEY

**J.E. Gallegos
Mary E. Walta
David Sandoval
Gallegos Law Firm, P.C.
141 East Palace Avenue
Santa Fe, NM 87501
(505) 983-6696**

STATEMENT


Texaco has filed an application for expansion of waterflood projects by the conversion to water injection of the Rhodes Yates Unit Wells Nos. 8 and 13, located in Units E and M, respectively, of Section 27, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico, and its W.H. Rhodes B. NCT-1 Wells Nos. 6 and 13, located in Units I and O, respectively, of said Section 27.

As an interest owner in the aforesaid Rhodes Yates Unit, Doyle Hartman, Oil Operator, objected to the approval of the proposed conversion of the above-described wells to water injection by virtue of his filing of a Pre-Hearing Statement with this Division on November 25, 1992.

In that Pre-Hearing Statement, Doyle Hartman, Oil Operator, offered to present certain testimonial and documentary evidence in opposition to the Application. With this Amended Pre-Hearing Statement Doyle Hartman, Oil Operator, informs the Division of his intent to forego the opportunity to present the testimony and documentary evidence identified in the Pre-Hearing Statement. Instead, Doyle Hartman, Oil Operator, will not be an active participant in this Application but will merely monitor this matter's progress.

Respectfully submitted,

GALLEGOS LAW FIRM, P.C.

BY 
J.E. GALLEGOS
DAVID SANDOVAL
141 East Palace Avenue
Santa Fe, New Mexico 87501

Attorneys for Doyle Hartman,
Oil Operator

CERTIFICATE OF SERVICE

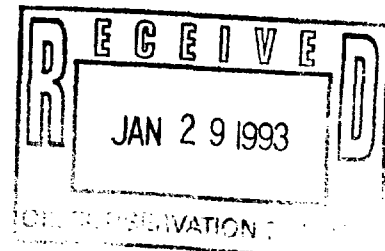
I hereby certify that a copy of the foregoing Amended Pre-Hearing Statement was served via telefax on the 28th day of January, 1993 to William F. Carr, Campbell, Carr, Berge & Sheridan, P.A., 110 North Guadalupe, Suite 1, Santa Fe, New Mexico 87501



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

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
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PRODUCTION INC. FOR WATERFLOOD EXPANSION,
LEA COUNTY, NEW MEXICO.

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Texaco Exploration & Production _____
c/o Russell Pool _____
Post Office Box 730 _____
Hobbs, New Mexico 88240 _____
(505) 397-0411 _____
name, address, phone and
contact person

ATTORNEY

William F. Carr, Esq. _____
Campbell, Carr, Berge & Sheridan, P.A.
Post Office Box 2208 _____
Santa Fe, New Mexico 87504 _____
(505) 988-4421 _____

OPPOSITION OR OTHER PARTY

Doyle Hartman Oil Operator _____

name, address, phone and
contact person

ATTORNEY

J. E. Gallegos, Esq. _____
141 East Palace Avenue _____
Santa Fe, New Mexico 87501 _____
(505) 986-0741 _____

STATEMENT OF CASE

APPLICANT

(Please make a concise statement of what is being sought with this application and the reasons therefore.)

Texaco Exploration & Production Inc. seeks authority to expand its W. H. Rhodes "B" Federal Waterflood Project, authorized by Division Order No. R-2748, by converting its W. H. Rhodes "B" Federal (NCT-1) Well No. 6 located 1980 feet from the South line and 660 feet from the East line (Unit I) and its W. H. Rhodes "B" Federal (NCT-1) Well No. 13 located 990 feet from the South line and 1650 feet from the East line (Unit O) both in Section 27, Township 26 South, Range 37 East, from producing oil wells to water injection wells.

OPPOSITION OR OTHER PARTY

(Please make a concise statement of the basis for opposing this application or otherwise state the position of the party filing this statement.)

PROPOSED EVIDENCE

APPLICANT

WITNESSES (Name and expertise)	EST. TIME	EXHIBITS
Charles Saddler, Geologist	15 min.	Approximately 5
Todd Mochlenbrock, Engineer	15 min.	Approximately 3

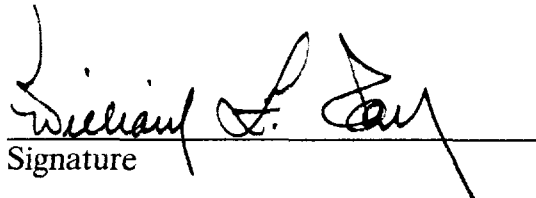
OPPOSITION

WITNESSES (Name and expertise)	EST. TIME	EXHIBITS
--	------------------	-----------------

PROCEDURAL MATTERS

(Please identify any procedural matters which
need to be resolved prior to hearing)

This case will be consolidated with Case 10573 at the time of the hearing.



Signature



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

September 8, 1992

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

Texaco Exploration & Production, Inc.
P.O. Box 730
Hobbs, New Mexico 88241

Attn: Terry L. Frazier
Area Manager

Re: Rhodes Yates Waterflood Expansion

Dear Mr. Frazier,

In 1982, the State of New Mexico became a primacy state under the Underground Injection Council. Following their regulations, we have since required that each well in the Area of Review be looked at as far as wellbore construction.

The previous Division Orders authorizing the initial waterflood project in the Rhodes Yates Unit, including WFX-454, did not require this review as they were all pre-1982.

Please submit construction data, (casing ,cement, etc.) on the following wells:

Rhodes Yates Unit Nos. 4, 6 and 11

Meridian State UTP No.2

Scarborough No.0

Wills Federal No.1 and Wills "A" No.3-A

Rhodes Federal "A" NCT-1 Well Nos. 1, 8, 14 and 15

Rhodes Federal "B" NCT-2 Well Nos. 3 and 4

and Rhodes Federal "A" No.3

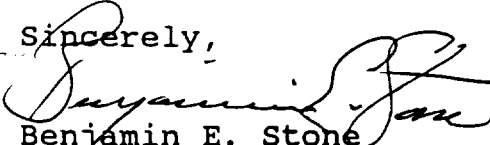
This information will help expedite the pending approval of your waterflood expansion application. I have enclosed a map with the above mentioned wells highlighted for your convenience.

Texaco E & P, Inc.
September 8, 1992
Page 2

For your future reference, this information will be beneficial as the Division will continue to require more information, particularly when it pertains to injection operations.

Please call if I may be of assistance.

Sincerely,



Benjamin E. Stone
Engineering Tech II

/BS

cc: file



OIL CONSERVATION DIVISION
RECEIVED

'92 SEP 24 PM 9 03

September 21, 1992

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

Case 10573

Attention: Ben Stone

Re: Application for Expansion of Waterflood;
Additional Wellbore Construction Data
Texaco Exploration and Production Inc.
Rhodes Yates Unit, Rhodes B Fed NCT-1 - Rhodes Yates 7R
T-26-S, R-37-E, Lea County, New Mexico

Gentlemen:

The additional information that was requested in the letter dated 9-8-92 is attached. Wellbore drawings were available for most of Texaco's Rhodes wells so the remainder of the data is also in schematic form. The sheets are attached in the following order:

W.H. Rhodes A #3
W.H. Rhodes B NCT-1
W.H. Rhodes B NCT-2
Rhodes Yates Unit
Offset wells in a counter-clockwise order.

Additional data is included on Koch Exploration's Wills A Fed #9 and #10 since they are both injection wells that were recently plugged. If there is any further information that you need, feel free to contact me at 397-0428.

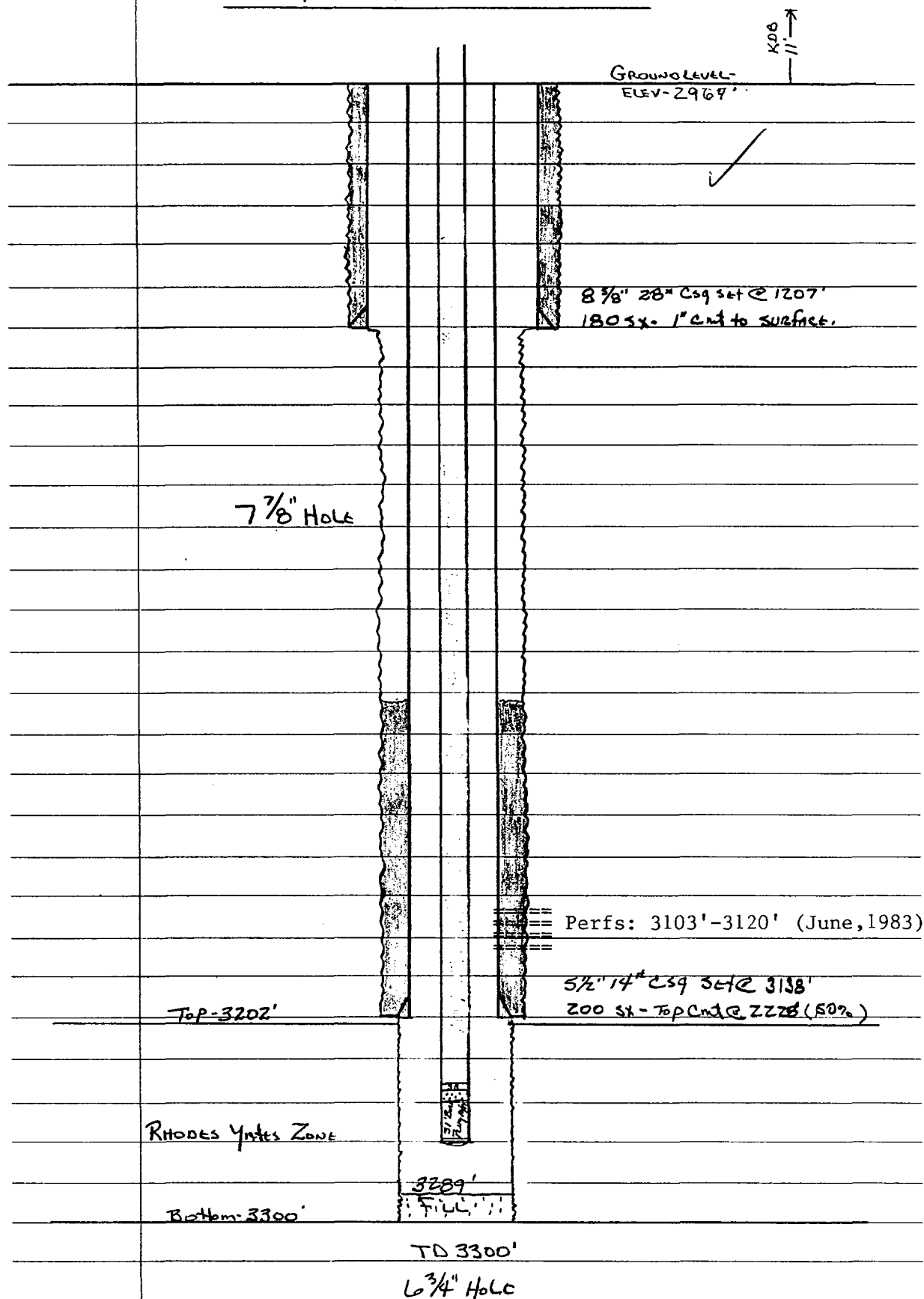
Yours very truly,

Robert McNaughton
Production Engineer

RTM/s

attachments

W.H. RHODES "A" FEDERAL # 3



THIS WELL WAS SHOT WITH
170 Qts. Nitro 2-19-1944.

F.M.R.
1-25-77

CHO/1-10-81

LEASE: W.H. RHODES "B" NCT 1

WELL NO. 1

1650' FNL, 1650' FEL

Unit G, Sec. 27, 26-S, 37-E

Rhodes B Fed.

NCT-1 #1

8 5/8" B.P.D.

K.B. 15'

13" 40# CMT SET AT 196'
CMT CIRC. 180 SX

95/8" 36# CMT SET @ 1910'
CMT CIRC. 450 SX

TOC at surf. assuming
12 1/2" hole and 79% fill

PERF 2 JS @ 1580' SD w/ 600SX CMT
7-11-79 CIRC.

7" 24# CMT SET @ 3071

TOC @ 2644 BY BROWN LOG.

JULY 79 PERF @ 1580' SD w/
600 SX CMT CIRC.

JULY 79 PERF @ 2580' SD w/
600 SX TOC 1784 BY TEMP.

PERF 2 JS 2580' SD w/ 600 SX CMT
7-10-79 TOC 1784' BY TEMP.

CIBP set at 2975'; 4-05-90 & TA

3071

3071

RHODES YATES

ASSUMED SLOTTED HOLE

CLEAN OUT TO
3160 8116/183

P.B.T.O. 3360
TD 3380

6 1/8" x .45 Bit: 4 3/8" O.D. x 1 15/16" I.D. x 1.44 LONG
BY SUB: 3 5/8" O.D. x 1 3/4" I.D. x 1.23 LONG x .0012

LEGEND 1650' N.L. 1650' F.L.

3280

SECT. 27, 26-S, 37-E G

3280

Date 2-19-81

KOB = 11.5'

Casing Size 8 7/8
Weight 28
Grade H-40
Set @ 1197
Hole Size 11"
Cement 350 SX - CEMENT
CIRCULATED

3.24-81 Pulling wire down hole running equipment.
Set down 3000' @ 3000' Luv. 700' in hole.
Press. Test. Casing to 500' depth. Circulate hole
with treated water 1/4" down 700'. (20%)

3.24-81

3041

Casing Size 5 1/4
Weight 14
Grade J-55, H-40
Set @ 3128
Hole Size 7 3/4
Cement 300 SX

CEMENT TOP CALL @ 1735'

GRAVEL PACKING

Hole Size when drilled 4 3/4

Shot with LBP 9 x 5 NITRO

LINER 4" 11.38" 3-4" slots/ft

SET @ 3255

TOP @ 3041

PTD @ 3255
TO @ 3226

W. H. RHODES "B" (NCT-1) #14

KOB
10

6" 600 HEAD

9 7/8" HOLE

6 3/4" HOLE

7 5/8" 15" #24 Csg SH @ 1200'
600 SY - Cmt. CIRC.

Top-3160'

RHODES YATES ZONE

Bottom-3240'

30' PAW END TO MIA - SN - 105 JTS 2 3/8" BRD EUT TO 9 LAND @ 3220' (2 x 1 1/2 x 20' PUMP)

Perf w/ 1 JSPF 3160'-76', 3189'-99', 3237'-40' (32 HOLES)

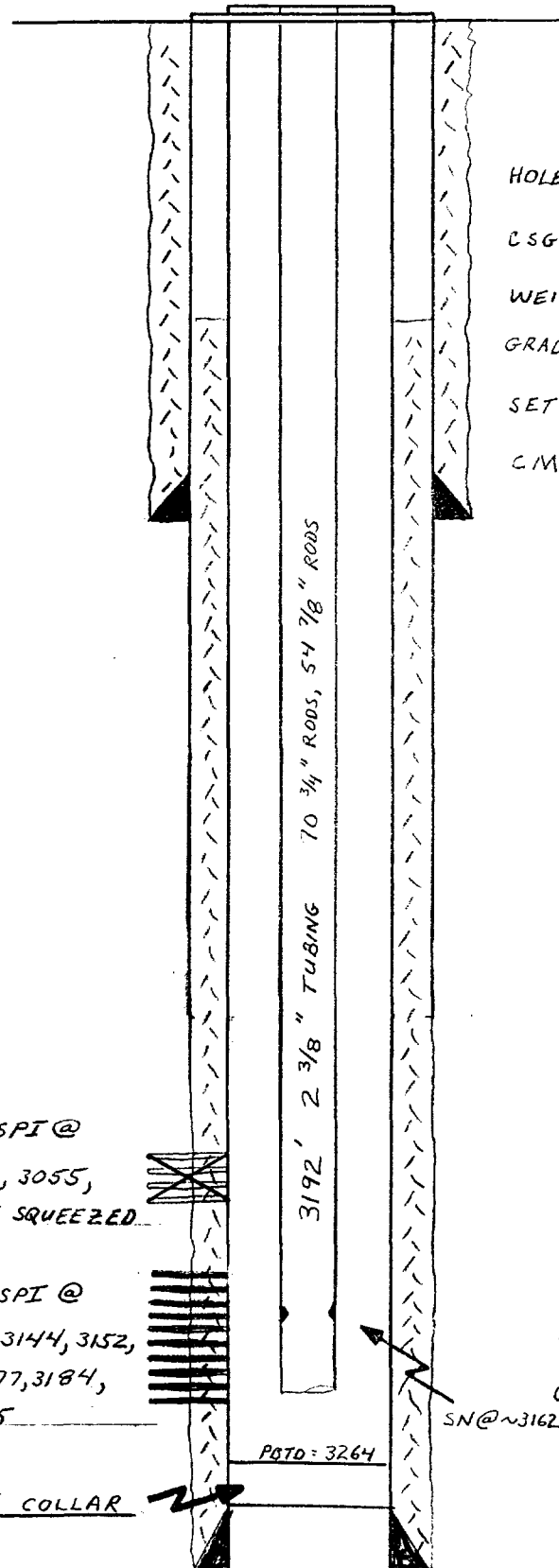
PATO 3263'

4 1/2" 9.5" J-55 Csg SH @ 3295'
425 SY - TOC @ 725' Calc 70%

TD 3295'

F.M.R

8-8-79



HOLE SIZE 9 7/8"
 CSG SIZE 7 5/8"
 WEIGHT 15.3 # 24* (2 JTS)
 GRADE H-40
 SET AT 1163
 CMT 575 SX CIRCULATED

PERFS: 2 JSPI @
 3008, 3040, 3055,
 3060; CMT SQUEEZED

PERFS: 2 JSPI @
 3134, 3139, 3144, 3152,
 3157, 3163, 3177, 3184,
 3190, 3195

FLOAT COLLAR

POTD = 3264

TD = 3300

SN @ ~3162

HOLE SIZE 6 5/8"
 CSG SIZE 4 1/2"
 WEIGHT 9.5#
 GRADE J-55
 SET @ 3300
 CMT 450 SX CMT TOP
@ 250' (CALC)

✓

WELL DATA SHEET

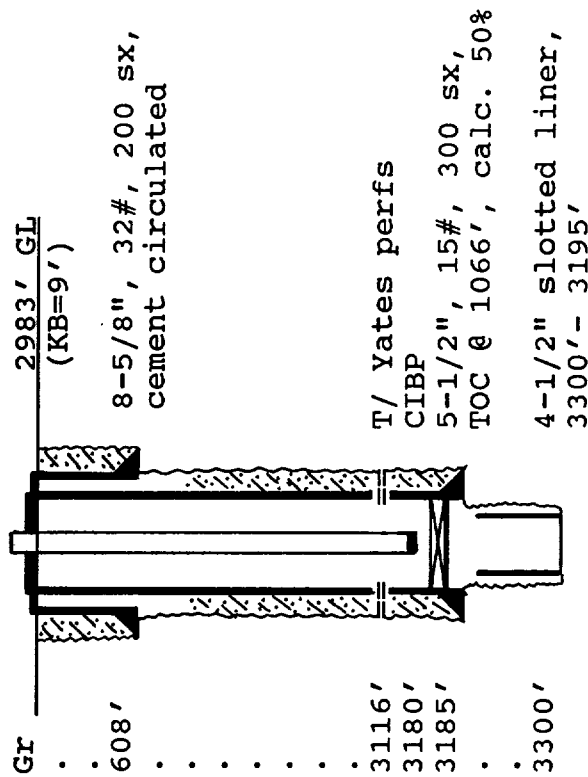
PO-113
(5/91)

OPERATOR: Texaco Exploration & Production Inc. Lease: W.H. Rhodes B Fed NCT-2 #3

FOOTAGE LOCATION: 1980 FSL X 660 FEL Sec./Twn/Rng: Unit I, Sec 28, T-26-S, R-37-E

Lea County, New Mexico

SCHEMATIC



TABULAR DATA

Surface Casing: Set at 608'

Size 8-5/8, 32# Cemented with 200 sx.

TOC surface ' determined by circulation

Hole Size ? Comp. Date 6-21-43

Intermediate casing: Set at

Size NONE Cemented with sx.

TOC ' determined by

Hole Size

Production Casing: Set at 3185'

Size 5-1/2", 15# Cemented with 300 sx.

TOC 1066 ' determined by calculation

Hole Size 6-3/4" ? (assumed 50% fill)

Open Hole Interval:

3185' to 3300' Size 4-3/4", nitro shot

4-1/2", 16.6# slotted liner 3195'- 3330'

Estimated Tops:

Salt 1200'-2850'

Yates 3014'

Seven Rivers 3340'

Queen NR

W.H. Rhodes' B" (NCT-2) #4

14'

12 1/4" HOLE

7 7/8" HOLE

8 3/8" 24" Csg. SET @ 655'
500 SX - Cmt CIRC.

TOC at 1150'

15' SLOTTED MA-3N - 102 JTS 2 7/8" BRT 76g LAND @ 3204' (2 1/2" X 1/2" X 20' PUMP w/ B' 9" MS NUCLEON - 94 3/4" x 3 1/8" PERS)

Top-3289'

YATES

Bottom-3318'

RBP at 3282'

Perf: w/ 1 SPF: 3122, 23, 32, 37, 39,
44, 59, 69, 71, 74, 76, 78, 80, 84, 90,
95, 98, 3201, 03, 11, 18, 25, 31, 35, 37, 41,
PLRF w/ ZJSP1 @ 3289-3294 - 53, 59, 65
3300-3307-3312-3318'
(12 Holes)

PBTD 3433'

TD 3460'

5 1/2" 14" K55 Csg SET @ 3460'
750 SX - Top END @ 1150' by Temp Survey

F.M.R

Z-21-78

RTM

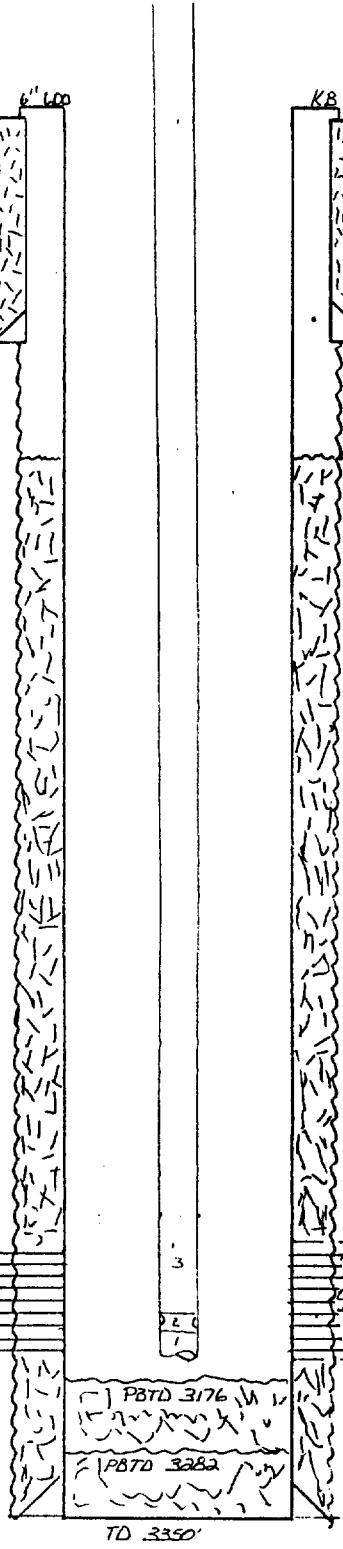
Well Name: WELL No 4
 Date: 12-28-83
 Date of Comp: 12-16-76



31-7/8 90-3/4

- 1- 1 3/4 DE AND ANCHOR 2 7/8
 - 2- 2 7/8 SA
 - 3- 1 1/2 JTS 2 7/8 J-SS TBL
- BIND MA @ 3131'

RHODES YATES



BSR 28.5* X-52 JTL SA C78'
 CATW 1600SX CIRC 12 3/4 H.S

TOC 1300' BY TEMP

5 1/2" 14" K-55 SA 3350
 CATW 1700SX TOC 1300' TEMP 7 7/8 H.S

NOTE: INITIAL COMP 3215 TO 3246
 NEW PERFS 3296 TO 3312 34 INCHES - JSPF
 SET CMT RET @ 3203 CSA WOULD NOT TEST
 SET 62 DRILL CMT BET @ 3176 SO2 ALL PERFS W/
 200SX CMT. TOC 3116 DRILL OUT TO 3176
 PERF W/ 1.5SPF @ 3114, 18, 30, 36, 41, 44, 58, 62
 (12182)

NEW PERFS: 3114, 18, 30,
 36, 41, 44, 58, 62 1.5SPF

OLD PERFS 306 OFF 2 JSPF 3296 TO 3312 34 INCHES
 W/ 200 SX CMT. 3215 TO 3246

PBTD 3176
 PBTD 3282

TD 3350'

REAL NE4 NE4 28 205 37E WLA

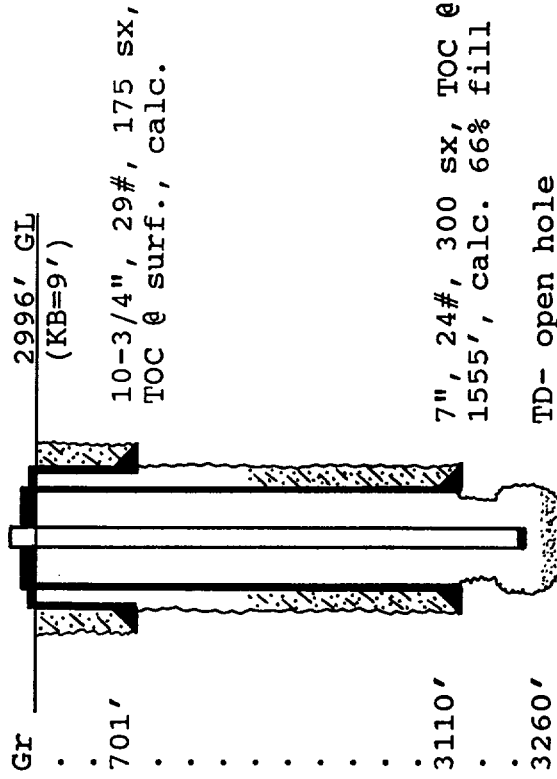
WIT INGS:

 L.M. LEHMAN

WELL DATA SHEET

OPERATOR: Texaco Exploration & Production Inc. Lease: Rhodes Yates Unit #6
 FOOTAGE LOCATION: 660 FNL X 1980 FWL Sec./Twn/Rng: Unit C, Sec 27, T-26-S, R-37-E
 Former Amerada State J "A" #3, State "JD" Unit #1 Lea County, New Mexico

SCHEMATIC



TABULAR DATA

Surface Casing: Set at 701'
 Size 10-3/4", 29# Cemented with 175 sx.
 TOC surface , determined by calculation
 Hole Size 13" Comp. Date 3-16-44
 Intermediate casing: Set at _____
 Size NONE Cemented with _____sx.
 TOC _____ , determined by _____
 Hole Size _____
 Production Casing: Set at 3110'
 Size 7", 24# Cemented with 300 sx.
 TOC 1555 , determined by calculation
 Hole Size 8-3/4" (assumed 66% fill)
 Open Hole Interval:

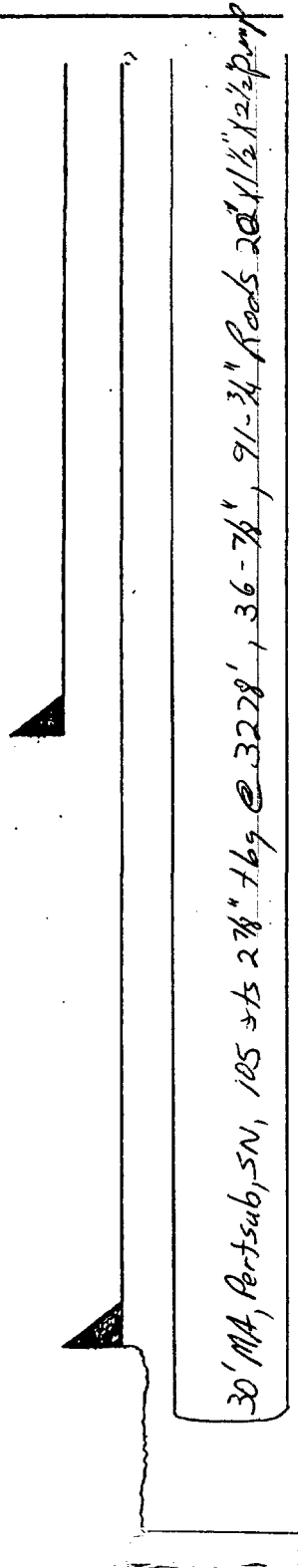
3110 ' to 3260 ' Size 6-1/8", nitro shot

Estimated Tops:

Salt 1200'-2800'
 Yates 2930'
 Seven Rivers na
 Queen na

WELL NAME & No. Rhodes 1/4 & Unit # 11

DATE _____



CASING SIZE 9 5/8"
WEIGHT 25.7 #
GRADE -
SET @ 540'
HOLE SIZE 11 1/4"
CEMENT CMT. CIRC.

CASING SIZE 7"
WEIGHT 22 #
GRADE -
SET @ 3130'
HOLE SIZE 8 3/4"
CEMENT CMT. CIRC.

OPEN HOLE SIZE 6 1/4"

P. 27-26-37

PBTD 3327'
TD 3327'

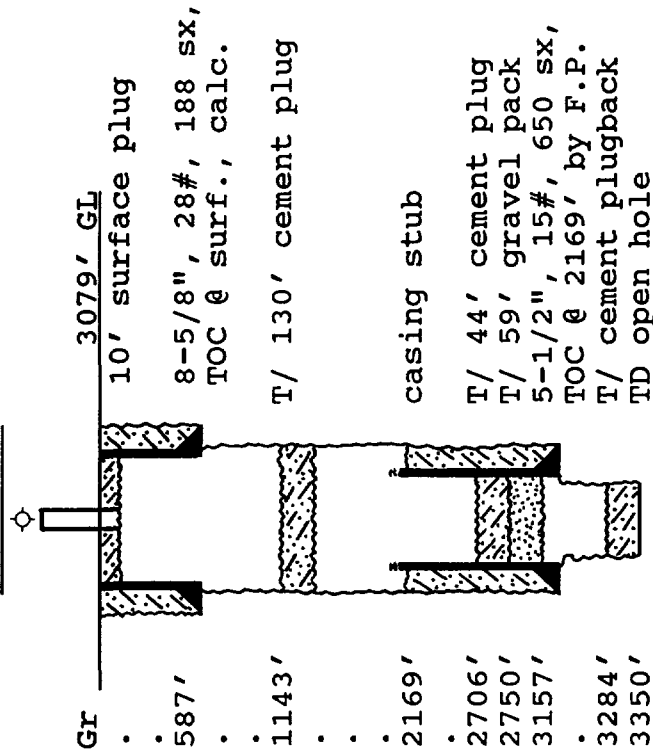
WELL DATA SHEET

OPERATOR: Anderson-Pritchard Oil Corporation Lease: State 28 "A" #2

FOOTAGE LOCATION: 1980 FNL X 1980 FEL Sec./Twn/Rng: Unit G, Sec 28, T-26-S, R-37-E

Drilled and abandoned August, 1943. Lea County, New Mexico

SCHEMATIC



TABULAR DATA

Surface Casing: Set at 587'
Size 8-5/8", 28# Cemented with 188 sx.
TOC surface , determined by calculation
Hole Size 11" Comp. Date 8-11-43
Intermediate casing: Set at _____
Size NONE Cemented with _____sx.
TOC _____ , determined by _____
Hole Size Hole filled with 10-1/2# mud
Production Casing: Set at 3157'
Size 5-1/2", 15# Cemented with 650 sx.
TOC 2169 , determined by free point
Hole Size 7-7/8"

Open Hole Interval:

3157' to 3350' size: 4-3/4" ?
Nitro shot 70 gts L.N.G., 3247'-3284'.

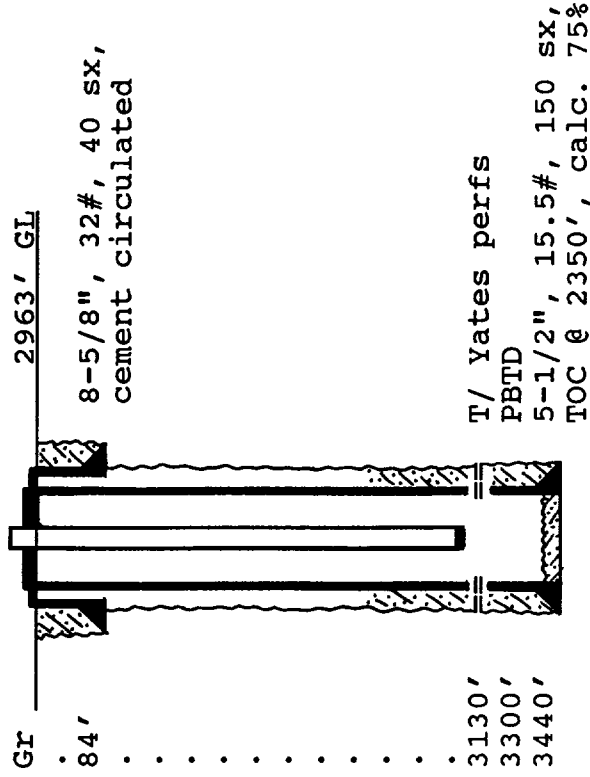
Tops:

Salt 1285'-2840'
Tansil 2840'
Yates 2988'
Seven Rivers 3285'

WELL DATA SHEET

OPERATOR: Sea Sand Oil Co. Lease: Wills Federal #8
 FOOTAGE LOCATION: 330 FNL X 330 FEL Sec./Twn/Rng: Unit A, Sec 33, T-26-S, R-37-E
Lea County, New Mexico

SCHEMATIC



TABULAR DATA

Surface Casing: Set at 84' 900' Dec
 Size 8-5/8", 32# Cemented with 400 sx.
 TOC surface ' determined by circulation
 Hole Size 12-1/4" Comp. Date 4-12-88
 Intermediate casing: Set at _____
 Size NONE Cemented with _____ sx.
 TOC _____ ' determined by _____
 Hole Size _____
 Production Casing: Set at 3440'
 Size 5-1/2", 15.5# Cemented with 150 sx.
 TOC 2350' ' determined by calculation
 Hole Size 7-1/4", assumed 75% fill
 Completion Interval:
3130' to 3255' : 4 spf, 100 perforations

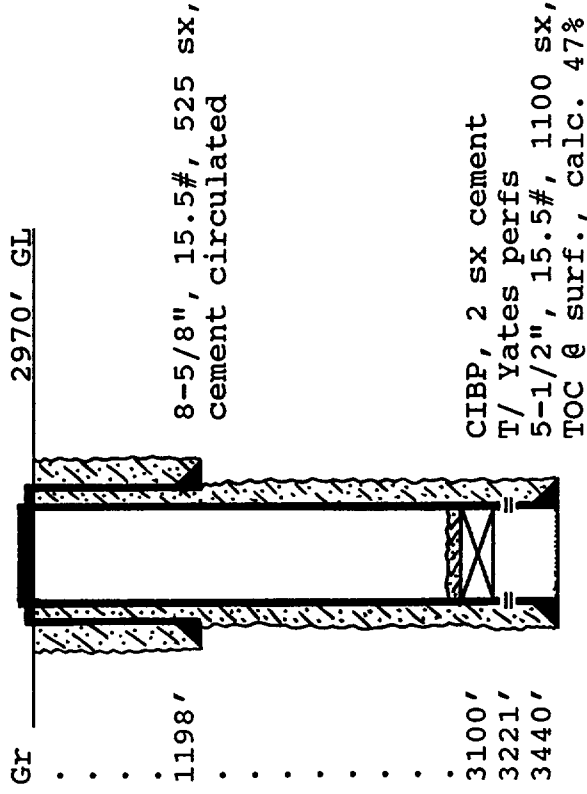
Tops:

Salt not recorded
 Tansil
 Yates 3130'
 Seven Rivers 3235'

WELL DATA SHEET

OPERATOR: Marathon Oil Co. Lease: Wills Federal #1
 FOOTAGE LOCATION: 330 FNL X 330 FWL Sec./Twn/Rng: Unit D, Sec 34, T-26-S, R-37-E
Temporarily abandoned 3-14-84; casing tested to 500 psi. Lea County, New Mexico

SCHEMATIC



TABULAR DATA
Surface Casing: Set at 1198'
 Size 8-5/8", 24# Cemented with 525 sx.
 TOC surface ' determined by circulation
 Hole Size 11" Comp. Date 3-12-84
Intermediate casing: Set at _____
 Size NONE Cemented with sx.
 TOC _____ ' determined by _____
 Hole Size _____
Production Casing: Set at 3500'
 Size 5-1/2", 15.5# Cemented with 1100 sx.
 TOC surface ' determined by calculation
 Hole Size 7-7/8", assumed 47% fill

Completion Interval:

3221' to 3367' : 1 spf, 42 perforations

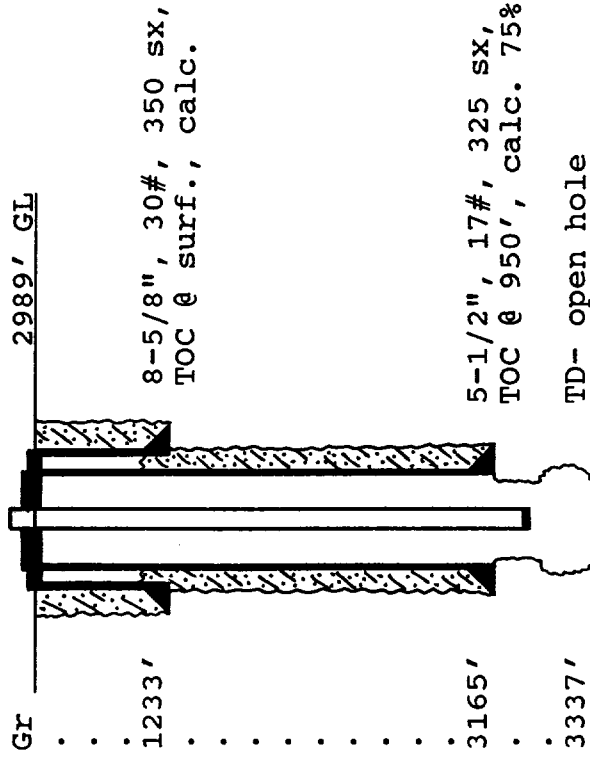
Tops:

Salt not recorded
 Tansil
 Yates 3060'
 Seven Rivers 3408'

WELL DATA SHEET

OPERATOR: Koch Exploration Co. Lease: Mary E Wills Fed A #3
 FOOTAGE LOCATION: 660 FNL X 660 FEL Sec./Twn/Rng: Unit A, Sec 34, T-26-S, R-37-E
 Former operators: The Ohio Oil Company, Rock Island O&R Lea County, New Mexico

SCHEMATIC



TABULAR DATA
Surface Casing: Set at 1233'
 Size 8-5/8", 30# Cemented with 350 sx.
 TOC surface ' determined by calculation
 Hole Size 11" Comp. Date 4-27-45
Intermediate casing: Set at _____
 Size NONE Cemented with _____ sx.
 TOC _____ ' determined by _____
 Hole Size _____
Production Casing: Set at 3165'
 Size 5-1/2", 17# Cemented with 325 sx.
 TOC 950' ' determined by calculation
 Hole Size 7-3/8", assumed 75% fill

Tops:

Open hole interval:
3165' to 3337' : 4-3/4" ? ns
Shot with 80 Qts Nitro, 3280'-3321'

Salt 1468'-2860'
 Tansil
 Yates 2990'
 Seven Rivers na

PO-113
(5/91)

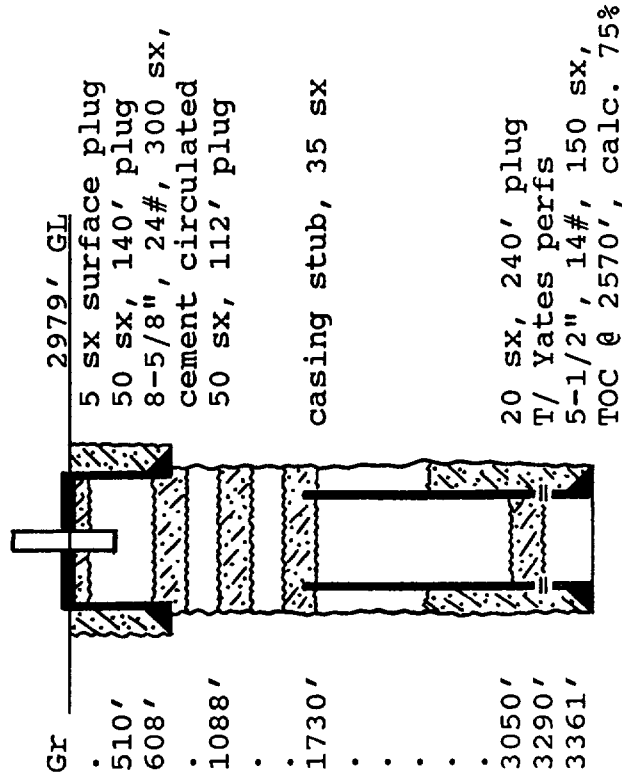
WELL DATA SHEET

OPERATOR: Koch Exploration Co. Lease: Mary E Wills Fed A #9

FOOTAGE LOCATION: 1135 FSL X 20 FWL Sec./Twn/Rng: Unit D, Sec 35, T-26-S, R-37-E

Former Wood River O&R, plugged 8-27-81: collapsed casing. Lea County, New Mexico

SCHEMATIC



TABULAR DATA

Surface Casing: Set at 608'
Size 8-5/8", 24# Cemented with 300 sx.
TOC surface ' determined by circulation
Hole Size 11" ? Comp. Date 10-04-59
Intermediate casing: Set at _____
Size NONE Cemented with _____ sx.
TOC _____ ' determined by _____
Hole Size _____
Production Casing: Set at 3369'
Size 5-1/2", 14# Cemented with 150 sx.
TOC 2570' ' determined by calculation
Hole Size 7-7/8" ?, assumed 75% fill

Tops:

Completion Interval:
3290' to 3342' : ? spf, 88 perforations
Drilled as water injection well; R-1352

Salt 1215'-2891'
Tansil 2844'
Yates 2996'
Seven Rivers 3271'

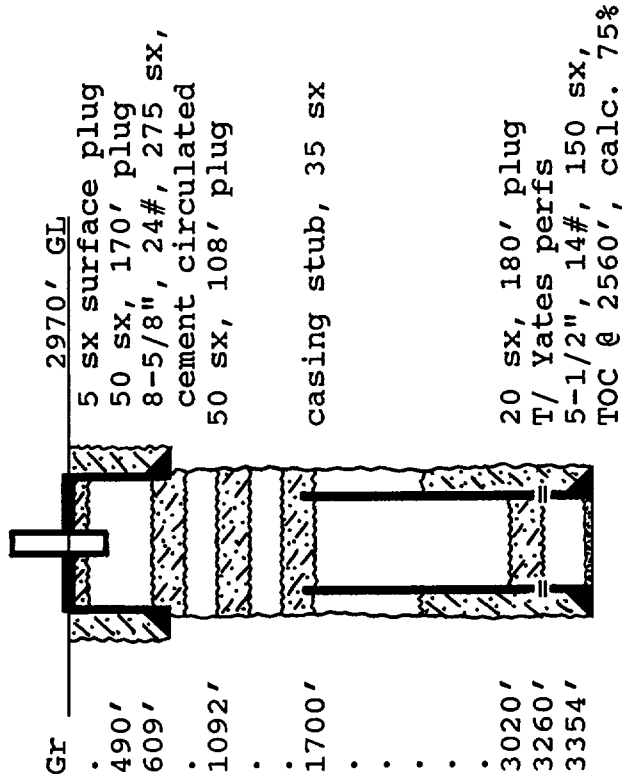
WELL DATA SHEET

OPERATOR: Koch Exploration Co. Lease: Mary E Wills Fed A #10

FOOTAGE LOCATION: 1135 FSL X 20 FWL Sec./Twn/Rng: Unit D, Sec 35, T-26-S, R-37-E

Former Wood River O&R, plugged 9-2-81 - collapsed casing. Lea County, New Mexico

SCHEMATIC



TABULAR DATA

Surface Casing: Set at 609'

Size 8-5/8", 24# Cemented with 275 sx.

TOC surface ' determined by circulation

Hole Size 11" ? Comp. Date 4-08-60

Intermediate casing: Set at

Size NONE Cemented with sx.

TOC ' determined by

Hole Size

Production Casing: Set at 3354'

Size 5-1/2", 14# Cemented with 150 sx.

TOC 2560' ' determined by calculation

Hole Size 7-7/8" ?, assumed 75% fill

Completion Interval:

3260' to 3326' : ? spf, 104 perforations

Drilled as water injection well; R-1352

Tops:

Salt 1205'-2818'

Tansil

Yates 2974'

Seven Rivers 3250'

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

IN THE MATTER OF THE APPLICATION
OF TEXACO EXPLORATION AND
PRODUCTION INC., FOR WATERFLOOD
EXPANSION, LEA COUNTY, NEW MEXICO.

RECEIVED
OIL CONSERVATION DIVISION

CASE NO. 10572

ENTRY OF APPEARANCE

COMES NOW CAMPBELL, CARR, BERGE & SHERIDAN, P.A., and hereby
enters its appearance in the above referenced case on behalf of Texaco Exploration and
Production Inc.

Respectfully submitted,

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.

By:



WILLIAM F. CARR

Post Office Box 2208

Santa Fe, New Mexico 87504

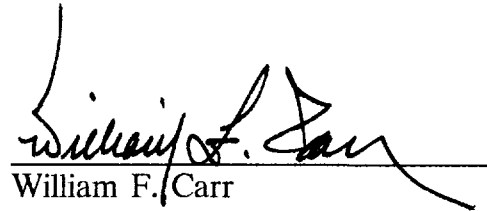
Telephone: (505) 988-4421

ATTORNEYS FOR TEXACO EXPLORATION
AND PRODUCTION INC.

CERTIFICATE OF MAILING

I hereby certify that I have caused to be mailed a copy of our Entry of Appearance in the above-captioned case to:

J. E. Gallegos, Esq.
The Gallegos Law Firm
141 East Palace Avenue
Santa Fe, New Mexico 87501


William F. Carr

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

RECEIVED

OCT 08 1992

IN THE MATTER OF THE APPLICATION
OF TEXACO EXPLORATION AND
PRODUCTION INC., FOR WATERFLOOD
EXPANSION, LEA COUNTY, NEW MEXICO.

OIL CONSERVATION DIV.
SANTA FE

CASE NO. 10572

ENTRY OF APPEARANCE

COMES NOW GALLEGOS LAW FIRM, P. C., and hereby enters its appearance in
the above referenced case on behalf of Doyle Hartman, Oil Operator.

Respectfully submitted,

GALLEGOS LAW FIRM, P. C.

By Mary E. Walta
J. E. GALLEGOS
MARY E. WALTA
141 East Palace Avenue
Santa Fe, New Mexico 87501

Attorneys for Doyle Hartman,
Oil Operator

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing pleading was mailed to William F. Carr,
Post Office Box 2208, Santa Fe, New Mexico 87504 on this 8th day of October, 1992.

Mary E. Walta
MARY E. WALTA



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



BRUCE KING
GOVERNOR

October 26, 1993

ANITA LOCKWOOD
CABINET SECRETARY

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

Texaco Exploration and Production, Inc.
P.O. Box 730
Hobbs, NM 88241

Attention: Darlene de Aragao

**RE: Injection Pressure Increase Rhodes Yates Unit Well No.
13, Lea County, New Mexico**

Dear Ms. de Aragao:

Reference is made to your request dated September 28, 1993 to increase the surface injection pressure on your Rhodes Yates Unit Well No. 13. This request is based on a step rate test conducted on this well on August 30, 1993. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this wells is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

Well and Location	Maximum Injection Surface Pressure
Rhodes Yates Unit Well No. 13 660' FSL & 660' FWL Unit M, Section 27, Township 26 South, Range 37 East	1100 psig
This well located in Lea County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

WJL/BES/amg

cc: Oil Conservation Division - Hobbs
File: Case No. 10572



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

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

October 26, 1993

Texaco Exploration and Production, Inc.
P.O. Box 730
Hobbs, NM 88241

Attention: Darlene de Aragao

**RE: Injection Pressure Increase W.H. Rhodes "B" Federal
NCT-1, Lea County, New Mexico**

Dear Ms. de Aragao:

Reference is made to your request dated September 28, 1993 to increase the surface injection pressure on two wells in your W. H. Rhodes "B" Federal Waterflood Project. This request is based on step rate tests conducted on these wells on August 27 and 28, 1993. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

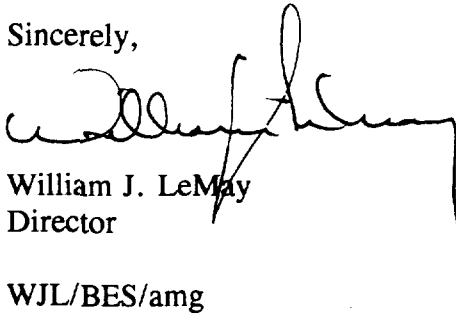
You are therefore authorized to increase the surface injection pressure on the following wells:

Well and Location	Maximum Injection Surface Pressure
W. H. Rhodes "B" Federal NCT-1 Well No. 6 Unit I, Section 27, Township 26 South, Range 37 East	1712 psig
W.H. Rhodes "B" Federal NCT-1 Well No. 13 Unit E, Section 36, Township 17 South, Range 36 East	1110 psig
Both wells located in Lea County, New Mexico.	

Injection Pressure Increase
Texaco Exploration and Production, Inc.
October 26, 1993
Page 2

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. LeMay', with a long horizontal stroke extending to the right and a vertical line dropping down from the end.

William J. LeMay
Director

WJL/BES/amg

cc: Oil Conservation Division - Hobbs
File: Case No. 10572

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

JACK M. CAMPBELL
OF COUNSEL

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

October 7, 1992

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

DAC
RECEIVED
OCT 10 1992
OIL CONSERVATION DIVISION

Re: Oil Conservation Division Case Nos. 10572 and 10573:
Applications of Texaco Exploration and Production Inc. for Waterflood Expansion,
Lea County, New Mexico

Dear Mr. LeMay:

Texaco Exploration and Production Inc., respectfully requests that this matter which is currently set on the Division docket for the October 15, 1992 hearings be continued to the October 29, 1992 Examiner docket.

Your attention to this matter is appreciated.

Very truly yours,

William F. Carr
WILLIAM F. CARR

WFC:mlh

cc: Mr. Russell Poole
Texaco Exploration and Production Inc.
Post Office Box 730
Hobbs, New Mexico 88240

J.E. Gallegos, Esq.
Gallegos Law Firm
141 E. Palace Avenue
Santa Fe, New Mexico 87501

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

JACK M. CAMPBELL
OF COUNSEL

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

October 26, 1992

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 Nos. 10572 and 10573:
Applications of Texaco Exploration and Production Inc. for Waterflood Expansion,
Lea County, New Mexico

Dear Mr. LeMay:

I have reviewed with representatives of Texaco Exploration and Production Inc. the request of Doyle Hartman Oil Operator for continuance of the above-referenced cases which are currently scheduled for hearing before an Examiner of the Oil Conservation Division on October 29, 1992.

Texaco consents to a continuance of these cases to the Examiner hearing scheduled for November 19, 1992. Although Texaco has plans to immediately go forward with the proposed waterflood expansion, we appreciate the problems Mr. Nutter's illness poses for Mr. Hartman in preparing for this hearing. We plan to go forward with this waterflood expansion at the earliest possible time and will oppose further requests for continuance beyond the November 19, 1992 hearing date.

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
October 26, 1992
Page 2

Your attention to this matter is appreciated.

Very truly yours,

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.

By: 

WILLIAM F. CARR

ATTORNEYS FOR TEXACO EXPLORATION AND PRODUCTION INC.
WFC:mlh

cc: Mr. J. E. Gallegos **"Hand-Delivered"**
Attn: Jolene Dicks
The Gallegos Firm
141 E. Palace Avenue
Santa Fe, New Mexico 87501

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

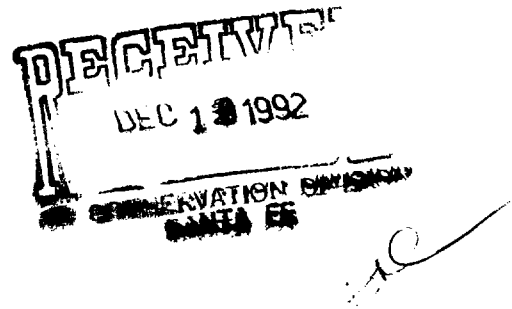
JACK M. CAMPBELL
OF COUNSEL

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

December 1, 1992

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 Nos. (10572) and 10573:
Applications of Texaco Exploration and Production Inc. for Waterflood Expansion,
Lea County, New Mexico

Dear Mr. LeMay:

Texaco Exploration and Production Inc., respectfully requests that this matter which is currently set on the Division docket for the December 3, 1992 hearings be continued to the December 17, 1992 Examiner docket. Mr. J.E. Gallegos has been contacted and concurs in this continuance.

Your attention to this matter is appreciated.

Very truly yours,

WILLIAM F. CARR
WFC:mlh

cc: Mr. Russell Pool
Texaco Exploration and Production Inc.
Post Office Box 730
Hobbs, New Mexico 88240

Ms Jolene Dicks
Gallegos Law Firm
141 E. Palace Avenue
Santa Fe, New Mexico 87501

GALLEGOS LAW FIRM

A Professional Corporation

141 East Palace Avenue
Santa Fe, New Mexico 87501
Telephone No. 505 • 983 • 6686
Telefax No. 505 • 986 • 0741

DELIVERED BY HAND

RECEIVED

OCT 22 1992

OIL CONSERVATION DIV.
SANTA FE

J.E. GALLEGOS

October 22, 1992

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 Nos. 10572 and 10573:
Applications of Texaco Exploration and Production, Inc.
for Waterflood Expansion, Lea County, New Mexico

Dear Mr. LeMay:

Mr. Dan Nutter, who was to be a key witness for Doyle Hartman Oil Operator at the hearings scheduled in these matters on October 29, 1992, has recently undergone serious surgery and is currently hospitalized.

Doyle Hartman Oil Operator respectfully requests that the above-referenced matters currently set on the Division docket for October 29, 1992 be continued until Mr. Nutter has recovered sufficiently to testify in this matters or until he can be satisfactorily replaced. We will promptly advise the Division of the status of this matter.

Counsel for Texaco has been advised of this matter and is expected to consent to and join in Hartman's request for a continuance.

Thank you for your attention to this matter.

Very truly yours,

GALLEGOS LAW FIRM, P.C.

By

Jolene Dicks
Jolene Dicks for
J. E. GALLEGOS

cc: William F. Carr, Esq.
Campbell, Carr, Berge & Sheridan, P.A.
110 N. Guadalupe, Suite I
Santa Fe, NM 87501

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

JACK M. CAMPBELL
OF COUNSEL

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

November 12, 1992

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
NOV 12 1992
OIL CONSERVATION DIVISION

Re: Oil Conservation Division Case Nos. 10572 and 10573:
Applications of Texaco Exploration and Production Inc. for Waterflood Expansion,
Lea County, New Mexico

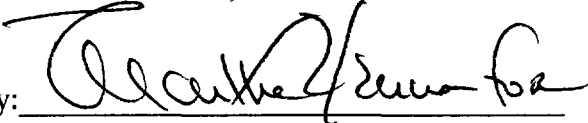
Dear Mr. LeMay:

Pursuant to an agreement reached with J. E. Gallegos, please continue the above-captioned case till December 3, 1992, or if necessary, December 4, 1992. We will have all our witnesses available then.

Your attention to this matter is appreciated.

Very truly yours,

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.

By: 
WILLIAM F. CARR

ATTORNEYS FOR TEXACO EXPLORATION AND PRODUCTION INC.
WFC:mlh

cc: Mr. J. E. Gallegos "Hand-Delivered"
Attn: Jolene Dicks

Robert E. Stovall, Esq.

GALLEGOS LAW FIRM

A Professional Corporation

141 East Palace Avenue
Santa Fe, New Mexico 87501
Telephone No. 505 • 983 • 6686
Telefax No. 505 • 986 • 0741

*ms.
DNC*

J.E. GALLEGOS

VIA TELEFAX

November 11, 1992

RECEIVED

NOV 11 1992

OIL CONSERVATION DIVISION

William F. Carr, Esq.
Campbell, Carr, Berge & Sheridan, P.A.
110 N. Guadalupe, Suite I
Santa Fe, New Mexico 87501

RE: Oil Conservation Division Case Nos. 100572 and 10573:
Applications of Texaco Exploration and Production, Inc.
for Waterflood Expansion, Lea County, New Mexico

Dear Bill:

This is to confirm our telephone conversations of late concerning scheduling of the hearings in these matters.

Because of the unavailability of one of Doyle Hartman Oil Operator's witnesses for the Oil Conservation Division's November 19, 1992 Docket, Texaco has agreed to a continuance of the hearings until the Oil Conservation Division's December 3, 1992. Hartman will be prepared to present testimony and exhibits at that time, and if necessary, on December 4, 1992.

We greatly appreciate Texaco's cooperation in this matter.

Very truly yours,

GALLEGOS LAW FIRM, P.C.

By

Jolene

Jolene Dicks
for J. E. Gallegos

cc: William J. LeMay, Director
Oil Conservation Division

DANIEL S. NUTTER
OIL CONSERVATION DIVISION
REGISTERED PETROLEUM ENGINEER
PETROLEUM CONSULTATION AND STATE AND FEDERAL REGULATORY SERVICES
105 EAST ALICANTE
SANTA FE, NEW MEXICO 87504
PHONE (505) 982-0757

September 11, 1992

Case 10572

William J. LeMay, Director
Oil Conservation Division
New Mexico Energy, Minerals and
Natural Resources Department
P.O. Box 2088
Santa Fe, NM 87504

Re: Application of Texaco Exploration
and Production Inc. for Expansion
of its Rhodes Yates Unit and W. H.
Rhodes B Fed. NCT-1 Waterflood Pro-
jects, Rhodes Yates-SR Pool, Lea
County, New Mexico

Dear Mr. LeMay:


Reference is made to application filed by Texaco for expansion of the above-referenced waterflood projects by the conversion to water injection of the Rhodes Yates Unit Wells Nos. 8 and 13, located in Units E and M, respectively, of Section 27, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico, and its W. H. Rhodes B NCT-1 Wells Nos. 6 and 13, located in Units I and O, respectively, of said Section 27.

As an interest owner in the aforesaid Rhodes Yates Unit, Doyle Hartman Oil Operator hereby objects to the approval of the proposed conversion of the above-described wells to water injection and respectfully requests that Texaco's application be set for public hearing.

This objection is based upon evidence which Doyle Hartman will present at hearing that the subject waterfloods have caused and may be continuing to cause the release of water into formations other than the intended injection formation, and have caused and may be continuing to cause underground damage to nearby properties.

William J. LeMay
September 11, 1992
Page 2

Very truly yours,

A handwritten signature in dark ink, appearing to read "Daniel S. Nutter". The signature is fluid and cursive, with the first name "Daniel" being more prominent and the last name "Nutter" written in a more compact, stylized manner.

Daniel S. Nutter, P.E., and
Agent, Doyle Hartman Oil Operator

DSN:ms

cc: Doyle Hartman Oil Operator
500 North Main
Midland, TX 79701

Terry L. Frazier, Area Manager
Texaco Exploration & Production Inc.
P.O. Box 730
Hobbs, NM 88240

DANIEL S. NUTTER

REGISTERED PETROLEUM ENGINEER IN DIVISION
PETROLEUM CONSULTATION AND STATE AND FEDERAL REGULATORY SERVICES
105 EAST ALICANTE
SANTA FE, NEW MEXICO 87504
PHONE (505) 982-0757

September 11, 1992

William J. LeMay, Director
Oil Conservation Division
New Mexico Energy, Minerals and
Natural Resources Department
P.O. Box 2088
Santa Fe, NM 87504

Case 10572

Re: Application of Texaco Exploration
and Production Inc. for Expansion
of its Rhodes Yates Unit and W. H.
Rhodes B Fed. NCT-1 Waterflood Pro-
jects, Rhodes Yates-SR Pool, Lea
County, New Mexico

Dear Mr. LeMay:

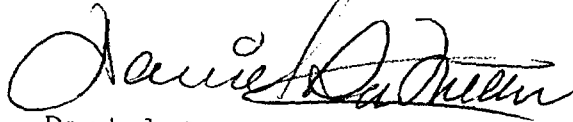
Reference is made to application filed by Texaco for expansion of the above-referenced waterflood projects by the conversion to water injection of the Rhodes Yates Unit Wells Nos. 8 and 13, located in Units E and M, respectively, of Section 27, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico, and its W. H. Rhodes B NCT-1 Wells Nos. 6 and 13, located in Units I and O, respectively, of said Section 27.

As an interest owner in the aforesaid Rhodes Yates Unit, Doyle Hartman Oil Operator hereby objects to the approval of the proposed conversion of the above-described wells to water injection and respectfully requests that Texaco's application be set for public hearing.

This objection is based upon evidence which Doyle Hartman will present at hearing that the subject waterfloods have caused and may be continuing to cause the release of water into formations other than the intended injection formation, and have caused and may be continuing to cause underground damage to nearby properties.

William J. LeMay
September 11, 1992
Page 2

Very truly yours,

A handwritten signature in dark ink, appearing to read "Daniel S. Nutter", with a stylized, flowing script.

Daniel S. Nutter, P.E., and
Agent, Doyle Hartman Oil Operator

DSN:ms

cc: Doyle Hartman Oil Operator
500 North Main
Midland, TX 79701

Terry L. Frazier, Area Manager
Texaco Exploration & Production Inc.
P.O. Box 730
Hobbs, NM 88240

Memo:

OIL CONSERVATION DIVISION
RECEIVED

2-12-93

From

EVELYN DOWNS

Oil Conservation Staff
Specialist

To Ben Stone 93 FEB 16 AM 9 30

Here is info you were requesting
on the 3 wells in Sec 26 & 27.

Case File 10572

DR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input checked="" type="checkbox"/> Injection Well		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR TEXACO Inc.						3. ADDRESS OF OPERATOR P. O. Box 728, Hobbs, New Mexico 88240	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 2310' PSL & 1820' FEL of Sec. 27, T-26-S, R-37-E, Unit Letter J. At top prod. interval reported below At total depth 2180' 5						14. PERMIT NO. Regular	
						DATE ISSUED 10-29-73	
15. DATE SPUDDED 1-6-74	16. DATE T.D. REACHED 1-16-74	17. DATE COMPL. (Ready to prod.) 2-10-74	18. ELEVATIONS (DF, REB, RT, GR, ETC.) 2976' GR		19. ELEV. CASINGHEAD 2976'		
20. TOTAL DEPTH, MD & TVD 3350'	21. PLUG, BACK T.D., MD & TVD 3311'	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0-3350'	CABLE TOOLS ---		
24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2 JSPI @ 3182, 85, 90, 94, 3200, 37, 43, 46, 55, 70, 75, 79, 85, & 3295'.						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN GRN-Compensated Log						27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)							
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
7-5/8"		15.28#		650'		9-5/8"	
4-1/2"		10.23#		3350'		6-3/4"	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)			
30. TUBING RECORD							
SIZE	DEPTH SET (MD)		PACKER SET (MD)				
2-3/8"	3091'		3091'				
31. PERFORATION RECORD (Interval, size and number) 2 JSPI @ 3182, 85, 90, 94, 3200, 37, 43, 46, 55, 70, 75, 79, 85, & 3295.							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
3182-3295				30,000 gals. WF-60, 15,000			
				20-40 sand + 15,000# 10-20			
				sand, w/ 1,000 gals. 15%			
				NEA			
33.* PRODUCTION							
DATE FIRST PRODUCTION Inj: 2-10-74		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Water Injection & Bbl. per minute				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE Asst. Dist. Supt.				DATE 2-12-74	

*(See Instructions and Spaces for Additional Data on Reverse Side)

SCOUT REPORT
NEW MEXICO
OIL CONSERVATION COMMISSION

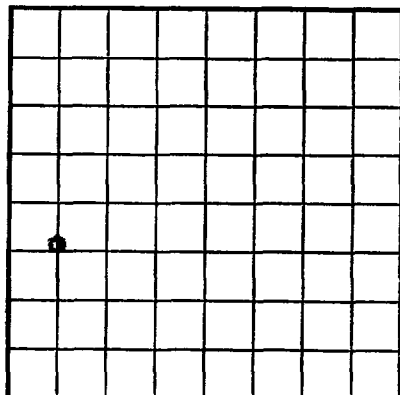
Company		The Texas Company				
Farm Name		Rhodes-B		Well No. 4		
Land Classification		Government				
Sec.	27	Twp.	26	Range	37	County Lea
Feet from Line:		1980 N.	S.	660 E.	W.	
Elevation		2994			Method	
Contractor		Scout				
Spudded 12-14-43		Completed 1-16-44		Initial Production		
Bond Status						

SIZE	FEET	INCHES	SAX CEMENT
6 5/8	1195		200
3 1/2	316		200

DATE	
11-30-43	Derrick
12-7	Drum
12-20	TD 1200 A WDC
1-4-44	TD 3148 S.Dy L perf 1/2 Dy
1-12-44	T.D. 3270 L Tst g
1-18	TD 3270 K IF 10292 BOPD Hole open 2"

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 030174 - B

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Texas Company Address Box 1720 Fort Worth, Texas
Lessor or Tract W. H. Rhodes (b) Field Rhodes State New Mexico
Well No. 7 Sec. 26 T26-S R. 37-E Meridian N.M.P.M. County Lea
Location 1980 ft. N. of S Line and 660 ft. E. of W Line of Section 26 Elevation 2998' (DF)
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed J. J. Shipler
Title District Superintendent

Date October 3, 1944

The summary on this page is for the condition of the well at above date.

Commenced drilling August 18, 19 44 Finished drilling September 7, 19 44

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3210' to 3275' No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	28.2	8 rd	Baker	1205'					
5-1/2"	14.7	8 rd	Baker	3116'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1209'	340	Halliburton	--	--
5-1/2"	3110'	300	Halliburton	--	--

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____