



Texaco USA

TEXACO INC.
P.O. BOX 1000
HOUSTON, TEXAS 77252

July 16, 1985

Department of Energy & Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Case 8677

RE: APPLICATION TO INJECT
FORM C-108
SKELLY PENROSE "A" UNIT
WELL NO. 62
LEA COUNTY, NEW MEXICO

Gentlemen:

Attached are the original and one copy of Texaco Inc's. "Application For Authorization To Inject", Form C-108, on the Skelly Penrose "A" Unit Well No. 62, located 2200' FSL & 2200' FWL, Section 3, T-23-S, R-37-E, Lea County, New Mexico. Perforations in the Langlie Mattix zone will be squeezed off, cement plugs cleaned out to 5120' and the well will then be converted to salt water disposal in the San Andres from 3913' to 5120' through the 9-5/8" x 5-1/2" annulus and/or perforations. This Application is being mailed to the Surface Landowner while all offsetting leases within 1/2 mile are operated by Texaco.

Yours very truly,

W. B. CADE
District Operations Manager

DBW:JEB

Attachments

cc: Department of Energy & Minerals
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240

Memo

From

EDDIE W. SEAY
Field Representative

~~David D. [unclear]~~

To ~~[unclear]~~

Case No. 8677

Here are the analysis around
Texaco SWD Application.

Ed





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

TONEY ANAYA
GOVERNOR

July 12, 1984

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

Mr. R. D. Sims
Eunice, NM 88240

Dear Mr. Sims:

The analysis of your waters are representative of the water analyzed in sections north and east of your ranch. All wells except the one at your house are in good shape.

The chloride content of your house well is getting close to EPA limit and you might want to start using one of the other wells for house use. If we can be of any help, please call.

Very truly yours,

Eddie W. Seay

Eddie W. Seay

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R.D. SIMS Well No. WEST PASTURE

Land Status: State _____ Federal _____ Fee _____

Well Location: Unit Letter _____, Section _____, T _____ S, R _____ E

Type Well: water well sub pump Depth _____ feet.

Well Use: livestock cattle & horses

Sample Number: _____

Date Taken: 7/10/84

Taken By: Eddie Seay

Specific Conductance: _____ m/c

Total dissolved Solids: _____ PPM.

Chlorides: 99.4 PPM.

Sulfates: _____ PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

Date Analyzed: 7/11/84

By: _____
Oil Conservation Division

REMARKS: _____

25 ml sample 142 x .7 titration = 99.4 ppm Cl

Submergible pump on water well west of Floyd's House (old home place)

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R. D. SIMS Well No. Corral south of house

Land Status: State Federal Fee

Well Location: Unit Letter , Section , T S, R E

Type Well: domestic sub pump Depth feet.

Well Use: livestock

Sample Number:

Date Taken: 7/10/84

Taken By: Eddie Seay

Specific Conductance: m/s

Total dissolved Solids: PPM.

Chlorides: 312.4 PPM.

Sulfates: PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

Date Analyzed: 7/11/84

By: Oil Conservation Division

REMARKS:

25 ml 142 x 2.2 titration = 312.4 ppm Cl

Well located just south of R.D. Sims house at corral.

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R.D. SIMS Well No. HOUSE WELL

Land Status: State Federal Fee

Well Location: Unit Letter , Section , T S, R E

Type Well: Domestic well sub pump Depth feet.

Well Use: House use

Sample Number:

Date Taken: 7/10/84

Taken By: Eddie Seay

Specific Conductance: m/

Total dissolved Solids: PPM.

Chlorides: 397.6 PPM.

Sulfates: PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

Date Analyzed: 7/11/84

By: Oil Conservation Division

REMARKS:

25 ml sample 142 x 2.8 titration = 397.6 ppm Cl

R.D. Sims house well

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R. D. SIMS Well No. North Windmill

Land Status: State _____ Federal _____ Fee _____

Well Location: Unit Letter _____, Section _____, T _____ S, R _____ E

Type Well: windmill Depth _____ feet.

Well Use: livestock

Sample Number: _____

Date Taken: 7/10/84

Taken By: Eddie Seay

Specific Conductance: _____ m/cm

Total dissolved Solids: _____ PPM.

Chlorides: 71.0 PPM.

Sulfates: _____ PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

Date Analyzed: 7/11/84

By: _____
Oil Conservation Division

REMARKS: _____

25 ml 142 x .5 titration = 71 ppm Cl.

Windmill located north of old home place (Floyd's)

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R. D. SIMS Well No. East well

Land Status: State Federal Fee

Well Location: Unit Letter , Section , T S, R E

Type Well: water well sub pump Depth feet.

Well Use: Livestock and gardening

Sample Number:

Date Taken: 7/10/84

Taken By: Eddie Seay

Specific Conductance: m/s

Total dissolved Solids: PPM.

Chlorides: 213.0 PPM.

Sulfates: PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

Date Analyzed: 7/11/84

By: Oil Conservation Division

REMARKS:

25 ml sample 142 x 1.5 titration = 213 ppm Cl

Well located east of R.D. Sims house around garden spot.

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R. D. SIMS Well No. Hill Pasture

Land Status: State _____ Federal _____ Fee _____

Well Location: Unit Letter _____, Section _____, T _____ S, R _____ E

Type Well: Sub pump water well Depth _____ feet.

Well Use: Livestock

Sample Number: _____

Date Taken: 7/10/84

Taken By: Eddie Seay

Specific Conductance: _____ m/Ω

Total dissolved Solids: _____ PPM.

Chlorides: 255.6 PPM.

Sulfates: _____ PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

Date Analyzed: 7/11/84

By: _____
Oil Conservation Division

REMARKS: _____

25 ml sample 142 x 1.8 = 255.6 ppm Cl

Well located SW of Anadarko field office off Highway 18.

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R.D. SIMS Well No. SCHOOL SECTION

Land Status: State _____ Federal _____ Fee _____

Well Location: Unit Letter _____, Section _____, T _____ S, R _____ E

Type Well: WINDMILL WATER WELL Depth _____ feet.

Well Use: LIVESTOCK

Sample Number: _____

Date Taken: 7/10/84

Taken By: EDDIE SEAY

Specific Conductance: _____ m/ μ

Total dissolved Solids: _____ PPM.

Chlorides: 142.0 PPM.

Sulfates: _____ PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

_____ :

Date Analyzed: 7/11/84

By: _____
Oil Conservation Division

REMARKS: _____

25 ml sample 142 x 1.0 titration = 142 ppm Cl

Well located south of old home place approximately 2 miles in Gulf LaMunyon Waterflood.

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS, NEW MEXICO

WATER ANALYSIS

Well Ownership: R. D. Sims Well No. Old Home Place

Land Status: State Federal Fee

Well Location: Unit Letter , Section , T S, R E

Type Well: water well sub pump Depth feet.

Well Use: home use

Sample Number:

Date Taken: 7/10/84

Taken By: Eddie Seay

Specific Conductance: m/∞

Total dissolved Solids: PPM.

Chlorides: 99.4 PPM.

Sulfates: PPM.

Ortho-phosphates: V.Low Low Medium High

Sulfides: None Low Medium High

 :

Date Analyzed: 7/11/84

By: Oil Conservation Division

REMARKS: 25 ml 142 x .7 = 99.4 ppm cl.

well located at old home place where Floyd lives



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
 OIL CONSERVATION DIVISION
 HOBBS DISTRICT OFFICE
 July 19, 1985

TONY ANAYA
 GOVERNOR

POST OFFICE BOX 1980
 HOBBS, NEW MEXICO 88240
 (505) 393-6161

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

RE: Proposed:

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

Gentlemen:

I have examined the application for the:

Texaco Producing Inc. Skelly Penrose-A Unit No. 62-K 3-23-37
Operator Lease & Well No. Unit S-T-R

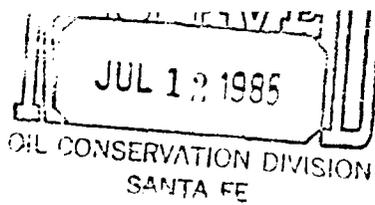
and my recommendations are as follows:

O.K. ---J.S.

Yours very truly,

Jerry Sexton
 Supervisor, District 1

/mc



Box 922
Eunice, N. M. 88231
July 8, 1985

Oil Conservation Division
N. M. Energy and Minerals Dept.
Box 2008
Santa Fe, New Mexico 87501

Gentlemen:

In response to a notice published June 28, 1985, this letter is to inform you that we object to making a disposal well of Well #62 for the purpose of salt water disposal. Well #62 lease unit name Shelly Penrose A Unit. A unit located 2200 feet FSL anonon 2200 feet FWL, Section 3, Township 25 South, Range 37 East, Lea County, New Mexico.

It is feared the salt water will damage our fresh water wells in the area of Well #62. There is one (1) well within 200 yards, two (2) wells within 1/2 mile, and one (1) well within 3/4 mile. Salt water has already made some of our wells unusable. We ask the disapproval of the application by Texaco for a disposal well. We object to any disposal wells on our property.

Sincerely,

R. D. Sims
R. D. Sims

Thelma May Cooper
Thelma May Cooper

Dorothy Josephine Doyal
Dorothy Josephine Doyal

Minnie Belle Hedgpeth
Minnie Belle Hedgpeth

Fay Ruth Parrish
Fay Ruth Parrish

cc: W. E. Gade, Operating Mgr., Texaco
P. O. Box 728
Eunice, N. M. 88240



TONEY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

July 25, 1985

50 YEARS



1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

R. D. Sims
Thelma May Cooper
Dorothy Josephine Doyal
Minnie Belle Hedgpeth
Fay Ruth Parrish
Box 922
Eunice, New Mexico 88231

Re: Texaco Producing Inc.
Salt Water Disposal
Skelly Penrose "A" Unit
Well No. 62-K, Section
3, T23S, R37E

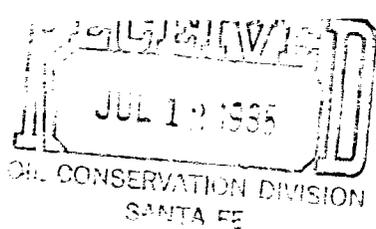
We have received your objection to the above-referenced application for salt water disposal and it will be placed in the record. A hearing in this matter has been set for August 14, 1985, and a marked copy of the advertisement is enclosed.

You may appear at the hearing and state your position if you desire, or you may obtain the services of an attorney to represent you. Regardless of whether you attend the hearing, the Division has an obligation to protect fresh water resources and will not permit the injection if your wells would be damaged.

Sincerely,

R. L. STAMETS
Director

RLS/fd
enc.



(Case 8677)

Box 922
Eunice, N. M. 88231
July 8, 1985

Oil Conservation Division
N. M. Energy and Minerals Dept.
Box 2038
Santa Fe, New Mexico 87501

Gentlemen:

In response to a notice published June 28, 1985, this letter is to inform you that we object to making a disposal well of Well #62 for the purpose of salt water disposal. Well #62 lease unit name Shelly Penrose A Unit. A unit located 2200 feet BBLannon 2200 feet SWL, Section 3, Township 23 South, Range 57 East, Lea County, New Mexico.

It is feared the salt water will damage our fresh water wells in the area of Well #62. There is one (1) well within 200 yards, two (2) wells within $\frac{1}{2}$ mile, and one (1) well within $\frac{3}{4}$ mile. Salt water has already made some of our wells unusable. We ask the disapproval of the application by Texaco for a disposal well. We object to any disposal wells on our property.

Sincerely,

R. D. Sims
R. D. Sims

Thelma May Cooper
Thelma May Cooper

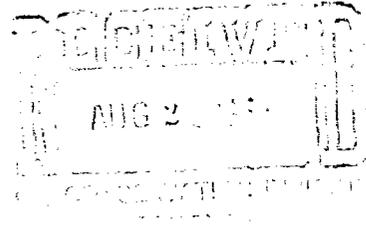
Dorothy Josephine Doyal
Dorothy Josephine Doyal

Minnie Belle Hedgpeth
Minnie Belle Hedgpeth

Fay Ruth Parrish
Fay Ruth Parrish

cc: W. B. Gado, Operating Mgr., Texaco
P. O. Box 727
Hobbs, N. M. 88240

WHITE,
KOCH, KELLY
&
McCARTHY
A PROFESSIONAL ASSOCIATION



August 19, 1985

Michael E. Stogner
Hearing Examiner
State of New Mexico
Energy and Minerals Department
Oil Conservation Division
State Land Office Building
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Case No. 8677

Dear Mr. Stogner:

As you requested, I have prepared a draft Order approving the application in Case No. 8677. In addition, as requested at the hearing, I am responding to your requests for additional information on two points. First, the Skelly Penrose Unit "A" Well No. 67 is 1656.8 feet from the South line and 2600.7 feet from the East line of Section 3, T23S, R37E. Second, Texaco is unable to confirm the level of cement for the 9 5/8 casing of the subject well. Texaco will run a cement bond log to determine the level of the cement and will submit that information when it is available.

Sincerely yours,

ROBERT URAM

RU/lk

cc: R. D. Sims
W. B. Cade, Texaco Inc.

978-039

L. C. White
Sumner S. Koch
William Booker Kelly
John F. McCarthy, Jr.
Kenneth Bateman
Benjamin Phillips
Larry C. White
John N. Patterson
Filmore E. Rose
David F. Cunningham
Albert V. Gonzales
Robert J. Uram
Bruce R. Kohl

Celia Foy Castillo
Margaret B. Alcock
Leslie C. King III
Bruce J. Fort
Mary Ann McConnell

Special Counsel:
Paul L. Bloom

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 8677

Order No. R-

APPLICATION OF TEXACO INC. FOR
SALT WATER DISPOSAL, LEA COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on August 14, 1985, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this _____ day of _____, 1985, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

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

(2) The applicant, Texaco Inc., is the owner and operator of the Skelly Penrose "A" Unit Well No. 62, located 2,200 feet from the South and West lines of Section 3, Township 23 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) The applicant proposes to utilize said well to dispose of produced salt water into the San Andreas formations with injection into the open-hole interval from approximately 3913 feet to 5120 feet.

-2-

Case No. 8677
Order No. R-

(4) The injection should be accomplished through 2 3/8-inch plastic lined tubing installed in a packer set at approximately 3800 feet; the casing-tubing annulus should be filled with an inert fluid; and a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(5) Prior to commencing injection operations, the casing in the subject well should be pressure-tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(6) The injection well or system should be equipped with a pressure limiting switch or other acceptable device which will limit the well head pressure on the injection well to no more than 782 psi.

(7) The Director of the Division should be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected waters from the San Andreas formation.

(8) The operator should notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity pressure test in order that the same may be witnessed.

(9) The operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(10) Approval of the subject application will be in the interest of conservation, the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Texaco Inc., is hereby authorized to utilize its Skelly Penrose "A" Unit Well No. 62 located 2200 feet from the South and West lines of Section 3, Township 23 South, Range 37 East, NMPM, Lea County, New Mexico, to dispose of produced salt water injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 3800 feet, with injection into the open-hole interval from approximately 3913 feet to 5120 feet;

PROVIDED HOWEVER THAT, the tubing shall be internally plastic-lined; the casing-tubing annulus shall be filled with an inert fluid; and a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, and/or packer.

PROVIDED FURTHER THAT, prior to commencing injection operations, the casing in the subject well shall be pressure-tested to assure the integrity of such casing in a manner that is satisfactory to the supervisor of the Division's district office at Hobbs.

(2) The injection well or system shall be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 782 psi.

(3) The Director of the Division upon proper application may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the San Andreas formation.

(4) The operator shall notify the supervisor of the Hobbs district office of the Division of the

-4-

Case No. 8677

Order No. R-

date and time of the installation of disposal equipment and of the mechanical integrity pressure test in order that the same may be witnessed.

(5) The operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(6) The applicant shall conduct disposal operations and submit monthly reports in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

R. L. STAMETS
Director

S E A L



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

October 4, 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mr. Robert Uram
White, Koch, Kelly & McCarthy
Attorneys at Law
P. O. Box 787
Santa Fe, New Mexico 87504-0787

Re: CASE NO. 8677
ORDER NO. R-3046

Applicant:
Texaco Producing Inc.

Dear Sir:

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

Sincerely,

R. L. STAMETS
Director

RLS/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD

Other Floyd Sims, R. D. Sims