

Gulf Oil Corporation

ROSWELL PRODUCTION DISTRICT

W. A. Shellshear
DISTRICT MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
H. C. Vivian
DISTRICT SERVICES MANAGER

June 29, 1961

P. O. Drawer 1938
Roswell, New Mexico

New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

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

Gentlemen:

Gulf Oil Corporation has been furnished a copy of Union Oil Company of California's application to use for salt water disposal their State "BH" Well No. 1, located 990 feet from the south line and 330 feet from the east line of Section 32, Township 15 South, Range 32 East, Lea County, New Mexico, the injection to be in the San Andres formation in the interval 4170 feet to 5530 feet.

Please be advised that Gulf has no objection to Union's application insofar as the above well and injection interval are concerned.

Yours very truly,



W. A. Shellshear

JHH:ers

cc: Union Oil Company of California
619 West Texas Avenue
Midland, Texas
Attention: Mr. G. W. Coombes



Union Oil Company of California

SWD-28

M I D L A N D T E X A S

UNION OIL COMPANY OF CALIFORNIA

History Period
Due Date July 10

June 21, 1961

Gulf Oil Corporation
P. O. Box 1150
Midland, Texas

Phillips Petroleum Company
Permian Building
Midland, Texas

Humble Oil & Refining Company
P. O. Box 1600
Midland, Texas

Texaco, Incorporated
P. O. Box 3109
Midland, Texas

Mobil Oil Company
P. O. Box 633
Midland, Texas

Texas Pacific Coal & Oil Company
P. O. Box 4067
Midland, Texas

Gentlemen:

In accordance with the provisions of Rule 701 of the New Mexico Oil Conservation Commission, Union Oil Company of California is filing an "Application to Dispose of Salt Water by Injection Into a Porous Formation Not Productive of Oil or Gas" on our State BH No. 1 Well located 990 feet from the south and 330 feet from the east lines of Section 32, Township 15-S, Range 32-E, Lea County, New Mexico. This well originally drilled by Humble Oil & Refining Company and subsequently plugged as a non-commercial Wolfcamp well, is now being acquired by Union Oil Company of California for salt water disposal purposes. A copy of our application is enclosed.

It is proposed to dispose of salt water in the San Andres formation through tubing in the open hole interval from 4170 feet to 5530 feet.

We have enclosed in triplicate a letter to the New Mexico Oil Conservation Commission waiving your company's objection to our application. If this waiver meets with your approval, please execute two copies, forwarding one to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico, and one to our Midland office in the enclosed envelopes. The remaining copy is for your files.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

G. W. Coombes
G. W. Coombes

Division Production Superintendent

PW:bg

CC: New Mexico Oil Conservation Commission
Santa Fe, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.
Secretary & Director

Gentlemen:

_____ hereby
waives its notice of objection and consents to the application made by
Union Oil Company of California to use their State BH No. 1 well for salt
water disposal purposes, this well being located 990 feet from the south
and 330 feet from the east lines of Section 32, Township 15-S, Range 32-E,
Lea County, New Mexico.

Very truly yours,

By: _____

ILLEGIBLE

Revised 9 16 58

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

APPLICATION

TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION
NOT PRODUCTIVE OF OIL OR GAS

Operator Union Oil Company of California Address 619 W. Texas Ave., Midland, Texas

Lease State BH Well No. 1 County Lea

Unit P Section 32 Township 15-S Range 32-E

This is an application to dispose of salt water produced from the following pool(s):

Anderson Ranch Wolfcamp and Devonian Pools

Name of Injection Formation(s): San Andres

Top of injection zone: 4170' Bottom of injection zone: 5530'

Give operator, lease, well no., and location of any other well in this area using this same
zone for disposal purposes: None Known

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	13-3/8"	631'	700 sx. 4% Gel.	Cont'd. to surface
Intermediate	8-5/8"	4150'	350 sx. 8% Gel.	2500'
Long String	5-1/2"	10,011'	275 sx. 12% Gel.	7800'

Will injection be through tubing, casing, or annulus? Tubing

Size tubing: 2" EUE Setting depth: 4100' Packer set at: 4100'

Name and Model No. of packer: Guiberson KV-30

Will injection be through perforations or open hole? Open hole

Proposed interval(s) of injection: 4170'-5530'

Well was originally drilled for what purpose? Oil Well

Has well ever been perforated in any zone other than the proposed injection zone? Yes

List all such perforated intervals and sacks of cement used to seal off or squeeze each:

See Attached

Give depth of bottom of next higher zone which produces oil or gas: None

Give depth of top of next lower zone which produces oil or gas: 9950' (Wolfcamp)

Give depth of bottom of deepest fresh water zone in area: 330'

Expected volume of salt water to be injected daily (barrels): 360 Bbls. per day

Will injection be by gravity or pump pressure? Gravity Estimated pressure: 0

Is system open or close type? Closed Is filtration or chemical treatment necessary? No

This well was drilled by Humble Oil & Refining Company as their State BH Well No. 1, to
total depth of 10,011. It was subsequently plugged and is being acquired by Union Oil Company
of California for salt water disposal purposes

Is the water to be disposed of mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

Is any water occurring naturally within the proposed disposal formation mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

List all offset operators to the lease on which this well is located and their mailing address

Gulf Oil Corporation, P. O. Box 1150, Midland, Texas

Humble Oil & Refining Company, Box 1600, Midland, Texas

Mobil Oil Company, P. O. Box 633, Midland, Texas

Phillips Petroleum Company, Permian Building, Midland, Texas

Texaco, Inc. P. O. Box 3109, Midland, Texas

Texas & Pacific Coal & Oil Company, P. O. Box 4067, Midland, Texas

Name and address of surface owner State Land

Have copies of this application been sent by registered mail or given to all offset operators, surface owners, and to the New Mexico State Engineer? Yes

Is a complete electrical log of this well attached? Yes

Operator: Union Oil Company of California

By: 

G. W. Coombes

Title: Division Production Superintendent

STATE OF Texas)
) ss.
County of Midland)

BEFORE ME, The undersigned authority, on this day personally appeared G. W. Coombes known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.

SUBSCRIBED AND SWORN TO before me this the 21st day of June, 1961.

Belle Grimes Belle Grimes
Notary Public in and for the County of Midland

June 1, 1963
My Commission Expires

NOTE: Should waivers from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said fifteen-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

Perforating and Abandonment Data

Perforated: 9880-88', 9902-08' and 9930-36'.

Squeezed with 24 barrels Dowell Cement.

Perforated: 9969-78'. Squeezed with 1000 gals. cement and 11 barrels cement.

Perforated: 9930-36'. Squeezed all perms with 24 barrels cement.

Perforated: 9880-88'. Squeezed with 1000 gallons cement.

Perforated: 9814-18'. 16 sacks slo set cement plug from 9670-9818'

Plugged May 29, 1961 as follows:

Plugged @ 9670-9818' with 16 sacks slo set cement. Shot & pulled 5-1/2" casing from 6925'.

Plugged @ 6875-6975' with 20 sacks cement.

Plugged @ 6660-6730' with 20 sacks cement.

Plugged @ 5530-5600' with 20 sacks cement.

June 23, 1961

Union Oil Company of California
Union Oil Building, 619 West Texas
Midland, Texas

Attn. Mr. G. W. Coombes

Dear Mr. Coombes:

Reference is made to your application to dispose of salt water through your well No. 1, Lea County, Unit P, Section 32, Township 15 South, Range 32 East.

This office offers no objection to the use of this well as a salt water disposal well, provided the method of disposal is not changed from that set forth in your application dated June 21, 1961.

Yours truly,

S. E. Reynolds
State Engineer

By:

Frank E. Irby
Chief
Water Rights Division

ma

cc-A. L. Porter, Jr.
F. H. Hennighansen



PHILLIPS PETROLEUM COMPANY
BARTLESVILLE, OKLAHOMA

PRODUCTION DEPARTMENT

June 28, 1961

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention Mr. A. L. Porter, Jr.,
Secretary & Director

Application of Union Oil Company
of California for Approval to
Dispose of Salt Water into its
State BH No. 1, Section 32,
Township 15-S, Range 32-E,
Lea County, New Mexico

Gentlemen:

Enclosed is waiver of objection signed on behalf of Phillips Petroleum Company covering the disposal of salt water by Union Oil Company of California into the San Andres formation through its State BH No. 1 Well located in Section 32, Township 15-S, Range 32-E, Lea County, New Mexico.

Yours very truly,

O. P. Nicola, Jr.

JRB:paw

Enc.

cc: Union Oil Company of California
619 West Texas Street
Midland, Texas

Attach.

NEW MEXICO
JUN 1 1937
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.
Secretary & Director

Gentlemen:

Phillips Petroleum Company hereby
waives its notice of objection and consents to the application made by
Union Oil Company of California to use their State BH No. 1 well for salt
water disposal purposes, this well being located 990 feet from the south
and 330 feet from the east lines of Section 32, Township 15-S, Range 32-E,
Lea County, New Mexico.

Very truly yours,

Phillips Petroleum Company

By: O. P. Nicola, Jr.

O. P. Nicola, Jr.
Director of Proration

100-111-05

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.
Secretary & Director

Gentlemen:

Socony Mobil Oil Company, Inc. hereby
waives its notice of objection and consents to the application made by
Union Oil Company of California to use their State BH No. 1 well for salt
water disposal purposes, this well being located 990 feet from the south
and 330 feet from the east lines of Section 32, Township 15-S, Range 32-E,
Lea County, New Mexico.

Very truly yours,

Socony Mobil Oil Company, Inc.

By: J. G. Davis

June 29, 1961

RECEIVED
JUN 27 1961

June 26, 1961

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.
Secretary & Director

Gentlemen:

Texas Pacific Coal and Oil Company hereby
waives its notice of objection and consents to the application made by
Union Oil Company of California to use their State BH No. 1 well for salt
water disposal purposes, this well being located 990 feet from the south
and 330 feet from the east lines of Section 32, Township 15-S, Range 32-E,
Lea County, New Mexico.

Very truly yours,

TEXAS PACIFIC COAL AND OIL COMPANY

By: R. W. Hines

R. W. Hines-Vice President, Production

TEXACO Inc.
P. O. Box 3109
Midland, Texas
August 11, 1961

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.
Secretary & Director

Gentlemen:

TEXACO Inc. hereby
waives its notice of objection and consents to the application made by
Union Oil Company of California to use their State BH No. 1 well for salt
water disposal purposes, this well being located 990 feet from the south
and 330 feet from the east lines of Section 32, Township 15-S, Range 32-E,
Lea County, New Mexico.

Very truly yours,

TEXACO Inc.

By: B. L. Francis
B. L. Francis
Assistant Division Manager

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE June 27, 1961

OIL CONSERVATION COMMISSION
BOX 371
SANTA FE, NEW MEXICO

Re: Proposed NSP_____

Proposed NSL_____

Proposed NFC_____

Proposed DC _____

Gentlemen:

SWD _____ X

I have examined the application dated _____
for the Union Oil Company of Calif. State BH #1-P 32-15-32
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

It should be determined if plug exists at 5530' to 5600' as stated in
perforating and abandonment data prior to the disposal of water in this
well. If plug is found to be missing, a plug as specified in the
abandonment data must be set at specified depth.---L. A. C.

O. K.----J. W. R. Except for L.A.C. comments.

Yours very truly,

OIL CONSERVATION COMMISSION

September 8, 1961

New Mexico Oil Conservation Commission
Box 2045
Hobbs, New Mexico

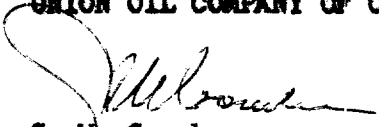
Gentlemen:

We are attaching Form C-102 covering a proposed plan to test the Yates zone in our State "BH" Well No. 1 for salt water disposal purposes, this well being located in Section 32, T-15-S, R-32-E, Lea County, New Mexico.

Administrative Order SWD #28 sets forth disposal in the San Andres, however injectivity tests indicate that this zone is not satisfactory for injection because of excessive pressures and it is deemed advisable to look into the Yates zone for disposal possibility. The Yates zone fulfills the requirements for disposal per Rule 701 and Mr. D. S. Nutter has given verbal permission to test the Yates for a period of no longer than 30 days. Should this zone prove successful, administrative approval in the prescribed manner will be sought for permanent water disposal.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA



G. W. Coombes
Division Production Superintendent

PW:bg

CC: Mr. D. S. Nutter, Chief Engineer
New Mexico Oil Conservation Commission

Mr. S. E. Reynolds
State Engineer