

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

April 23, 1973

C
Yates Petroleum Corporation
Yates Building - 207 South Fourth St.
Artesia, New Mexico 88210

Gentlemen:

O
P
Enclosed herewith please find Administrative Order SWD-139
for your Williamson "BC" Federal Well No. 1, located in
Unit P of Section 7, Township 20 South, Range 29 East, NMPM,
Eddy County, New Mexico, to permit the injection of salt
water for disposal purposes into the Delaware formation at
approximately 3188 feet to approximately 3228 feet through
2-3/8 inch tubing with a packer set at approximately 3177
feet.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: Oil Conservation Commission:
Drawer DD
Artesia, New Mexico
Y

SUBJECT: SALT WATER DISPOSAL WELL

ORDER NO. SWD-139

THE APPLICATION OF YATES PETROLEUM
CORPORATION FOR A SALT WATER DISPOSAL
WELL.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (C) Yates Petroleum Corporation, made application to the New Mexico Oil Conservation Commission on April 13, 1973, for permission to complete for salt water disposal its Williamson "BC" Federal Well No. 1 located in Unit P of Section 7, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico.

The Secretary-Director finds:

1. That application has been duly filed under the provisions of Rule 701 (C) of the Commission Rules and Regulations.
2. That satisfactory information has been provided that all offset operators, surface owners, and the New Mexico State Engineer Office have been duly notified; and
3. That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 (C) will be met.

IT IS THEREFORE ORDERED:

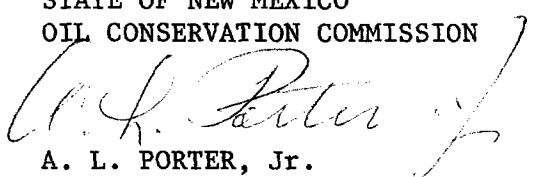
That the applicant herein, Yates Petroleum Corporation, is hereby authorized to complete its Williamson "BC" Federal Well No. 1 located in Unit P of Section 7, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Delaware formation at approximately 3188 feet to approximately 3228 feet through 2-3/8 inch tubing with a packer set at approximately 3177 feet.

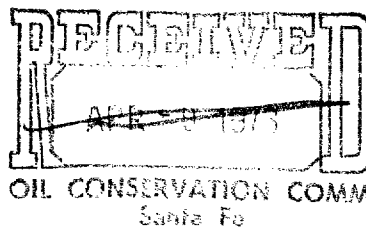
IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Commission may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operation in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 24th day of April, 1973.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


A. L. PORTER, Jr.
Secretary-Director



S. P. YATES
PRESIDENT
HARVEY E. YATES
VICE PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
HUGH W. PARRY
SEC. - TREAS.

Santa Fe
Mr. A. L. Porter, Jr. Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 85701

SWD-139

No waiting

RE: Salt Water Disposal Well
Williamson "BC" No. 1 - Burton Delaware Pool
Eddy County, New Mexico

Dear Mr. Porter:

Application is hereby submitted for administrative approval to dispose of produced salt water into the Delaware formation in our Williamson "BC" No. 1 Federal - Burton Delaware Pool, located 660 feet from the South and East lines of Section 7-T20S-R29E, Eddy County, New Mexico. An exception to Rule 701A is believed applicable since there are no other Delaware completions within 2 miles radius of this well and that recoverable hydrocarbons in this zone are depleted. The well gave up only 5 BO in February and 3 BO in March.

We have talked to Mr. James Knauf, USGS, Artesia, and he has indicated that the USGS has no objection to the injection of produced water in this Delaware completion. Yates Petroleum Corporation is the sole offset operators to this well and waive objection to the conversion. We therefore, ask that the 15-day waiting period be dispensed with.

A land map showing location of the proposed injection well and offset lessees is attached hereto, also a log and diagrammatic sketch of the cased hole. The produced water to be disposed of is from our Williamson "BC" No. 2 well, a Yates Sand completion located 330 feet from the South and East lines of Section 7-20S-29E, and the injected volume is anticipated to not exceed 35 BPD.

Thank you!

Eddie M. Mahfood
Eddie M. Mahfood
Engineer

EMM/ct

Encl.

YATES PETROLEUM CORPORATION
 DIAGRAMMATIC SKETCH OF PROPOSED DISPOSAL WELL
 William "BC" No. 1 Federal - 660/S & 660/E Sec.7-20S-29E
Burton Delaware Pool - Eddy County, New Mexico

Elevation: 3262 GR

Spudded: May 24, 1966

Completed: June 23, 1966

Total Depth: 3890'

PBTD: 3350'

Slotted 4½" liner @ 3189'-3228'

SWF 4500# 20/40 in 3000 gal.
wtr,

IPP - 12.42 BO + 20 BWPD
neg. gas.

Salado fm @ 400-770'

Yates fm @ 948-1130'

Goatseap Reef @ 1130-3170'

Wellhead valves, meter, gauge

9-5/8" 36# Csg. set at 400' w/200
cmt. circ. 12½" hole to 400'

7" DV Tool @ 1300' cmt'd w/150 sx
Propose to load 7" Annulus with
inhibited fresh water

Top of 4½" liner @ 2644'
7" 20# csg set at 2730' w/150 sx cmt.
8-3/8" hole to 2730'

2-3/8" EUE tubing @ 3205' w/pkr @
3177 & SN @ 3205'

Top of Brushey Canyon @ 3170'
DST 3170-3240, rec. 120' free oil

DST 3210-3291, wk blo, fair blo.
decreasing, rec. 460' O&GCM

Slotted Delaware fm @ 3189'
SWF w/2250# 20/40 in 1500 gal
treated water.

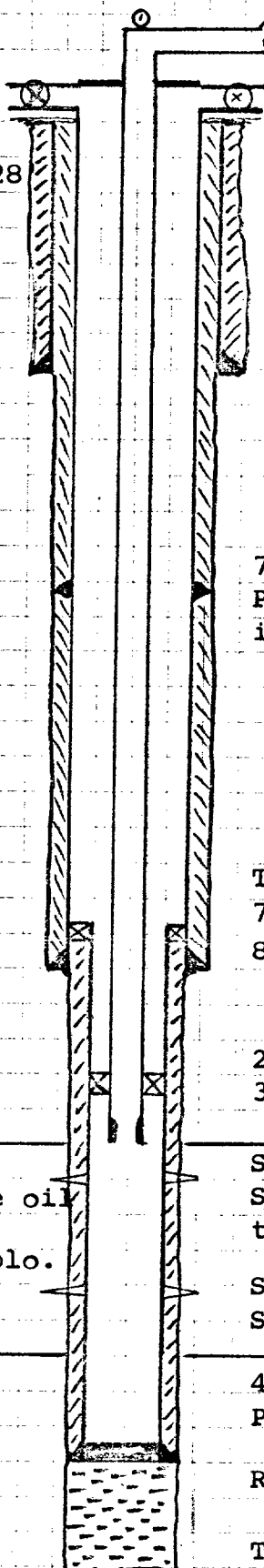
Slotted Delaware fm @ 3228'
SWF w/2250# 20-40 in 1500g trtd wtr.

4½" 9.5# liner @ 3350' w/65 sx cmt
PBTD 3350'

Ran Welex GRN log @ 3790'

Total Depth 6¼" hole to 3890'

Cherry Canyon Top @ 3460'



J. C. Williamson
ates-Federal # 1
ildcat
Eddy County, New Mexico

660/S 660/E Sec 7-20S-29E

T.D. LOGGED 3789'

T.D. DRILLER 3790'

T.D. WELEX 3790'

6-9-66

Elev: 3271 KB = 3262 GR

GAMMA

API Gamma Ray Units

100

00 /////////////// 200

NEUTRON

API Neutron Units

800

1800

1800

2800

3100

3150

3200

3250

3300

Top Brushy Canyon

6-17-66
Abruptly 3188'
SWF 2250" 20/40 SR
in 1500g. Total Wtr
@ 12

6-14-66
Abruptly 3228'
SWF 2250" 20/40
in 1500g. Total Wtr
@ 12 BPH & 2000 psi

