



CONTINENTAL OIL COMPANY

P. O. BOX 1377

ROSWELL, NEW MEXICO

April 19, 1963

WM. A. MEAD
DIVISION SUPERINTENDENT
OF PRODUCTION
NEW MEXICO DIVISION

825 PETROLEUM BUILDING
TELEPHONE: MAIN 2-4202

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

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

Gentlemen:

Re: APPLICATION FOR PERMISSION
TO INJECT SALT WATER INTO
SAN ANDRES FORMATION IN
SEMU DRINKARD NO. 9 WELL

We forward herewith application in triplicate for permission to inject salt water from the Cass (Pennsylvanian) Pool into the San Andres formation utilizing our SEMU Drinkard Well No. 9 (formerly designated Skaggs B-23 No. 4) located in Unit 0 Section 23, T20S, R37E, Lea County, New Mexico.

By certified mail, we are also furnishing a copy of the application to the State Engineer's Office, offset operator and surface owner. Your further handling and approval of the application will be sincerely appreciated.

Yours very truly,

A handwritten signature in cursive script, appearing to read "W. A. Mead".

VTL-pr
Enc.

cc: RGP GW JWK JRP

By Certified Mail:

State Engineer Office, Box 1079, Santa Fe, New Mexico
Pan American Petroleum Corporation, Box 68, Hobbs, N. M.
W. M. Walker, 129 S. Grimes, Hobbs, New Mexico

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 Continental Oil Company Address Box 1577, Roswell, New Mexico

Lease SE 1/4 Drinkard Well No 9 County Lea

Unit 0 Section 25 Township 20S Range 37E

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

Cass

Name of Injection Formation(s) San Andres

Top of injection zone 4547' Bottom of injection zone 4700'

Give operator, lease, well no., and location of any other well in this area using this same

zone for disposal purposes Rice Engineering, H&H Salt Water Disposal System

Well H-20, Unit H, Sec. 20-20-37

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	13 7/8"	513	250	Circ.
Intermediate	9 5/8"	3060	425	2500'
Long String	7"	7657	600	3436

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

Size tubing 2 1/2" Setting depth: 4500' Packer set at 4500

Name and Model No. of packer Baker Model "A" Tension Packer

Will injection be through perforations or open hole? Perforations

Proposed interval(s) of injection: 4547-55, 4559-68, 4615-22, 4627-32, 4656-68, 4671-76,
4686-4700

Well was originally drilled for what purpose? Oil production

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:

6760-6837 BP @ 6570 w/1 sx. cnt.; 6345-6510 BP @ 6000 w/1 sx.; 5845-5872 Proposed BP @ 5800
w/1 sx. cnt.

Give depth of bottom of next higher zone which produces oil or gas 5721 (Base of Queen)

Give depth of top of next lower zone which produces oil or gas 6660 (Drinkard)

Give depth of bottom of deepest fresh water zone in area 275 ft.

Expected volume of salt water to be injected daily (barrels) 4500

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

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

Well is offset in all directions by Continental acreage. The nearest acreage operated by
another operator is the Pan American Gully "B" Lease in Section 22 approximately 3/4 mile
west.

Name and address of surface owner J. M. "Billy" Walker, 129 G. Grimes, Hobbs, New Mexico

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: Continental Oil Company

By: W. A. Mead

Title: Division Superintendent

STATE OF New Mexico)
) ss.
County of Chavez)

BEFORE ME, The undersigned authority, on this day personally appeared Wm. A. Mead 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 19th day of April, 1963.

Louis B. Houston
Notary Public in and for the County of Chavez

May 25, 1964
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.

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

SCHLUMBERGER

WELL SURVEYING CORPORATION

Location of Well

660' fr S/L,
1980' Fr. E/L
Sec. 23-20S-37E

Elevation: D.F.: 3531'
or G.L.: _____

COMPANY: CONTINENTAL OIL CO

WELL: SKAGGS B-23 #4

RUN NO.: I

FIELD: CASS

SURVEY: SEC. 23-20S-37E

COUNTY: LEA

STATE: NEW MEXICO

FILING No. _____

COUNTY: LEA
FIELD OR CASS
SURVEY: SEC. 23-20S-37E
WELL: SKAGGS B-23 #4
COMPANY: CONTINENTAL OIL CO

First Reading	: 7664	ft.
Last Reading	: 3060	ft.
Footage Measured	: 4604	ft.
Casing Shoe Depth: SCHLUMBERGER	: 3060	ft.
DRILLER	: 3060	ft.
Max. depth reached	: 7664	ft.
Bottom Depth: DRILLER	: 7660	ft.
Depth Datum <u>2' ABOVE D.F. 13' ABOVE GROUND</u>		

OIL CONSERVATION COMMISSION

BOX 2045

MORBS, NEW MEXICO

DATE April 24, 1963

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

Re: Proposed NSP

Proposed NSL

Proposed NFO

Proposed DC

SWD X

Gentlemen:

I have examined the application dated 4/23/63
for the Continental Oil Co. SEMU Drinkard #9 23-20-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

O.K.---E.F.E.

No producing well within 2 miles. Geologically O.K.----J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

April 25, 1963

Mr. A. L. Porter, Jr.
Secretary=Director
Oil Conservation Commission
Santa Fe, New Mexico


Dear Mr. Porter:

Reference is made to the application of Continental Oil Company dated April 19, 1963 which seeks permission to inject salt water into the San Andres formation in SEMU Drinkard No. 9 well. In view of the statement on the application that injection will be through 2 $\frac{1}{2}$ " tubing under a Model "A" tension packer, it appears that no threat of contamination to the fresh waters which may exist in the area will occur. Therefore, this office offers no objection to the granting of the application.

Yours very truly,

S. E. Reynolds
State Engineer

FEI/ma
cc-Continental Oil Co.

By: 
Frank E. Irby
Chief
Water Rights Div.

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