

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

SWD-8

hold for plat
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1470

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

POOL Name North Gladiola Devonian County Lea

Operator Ralph Lowe

Address Box 832, Midland, Texas

Lease Name Markham State Well No. 2

Depth to top of injection zone 5170

Depth to base of injection zone 5270

Size of surface casing 13 3/8

Length of Surface Casing 356'

Number of sacks of cement used on surface casing 425

Size of long string 8 5/8

Length of long string 4440

Number of sacks of cement used on long string 2100

Size of tubing None Length of tubing None

Depth of tubing packer setting None

Name and model of packer None

Is injection through tubing or long string or annulus? Long String 8 5/8

Is injection through perforations or open hole? Perforations

Was the well drilled for salt water disposal purposes? No

List perforated intervals and number of sacks of cement used on any squeeze cementing operations 9570 (950 cement) 12,051-12061, (100 sx. at 12,020) 12,051-12053, 12044, (100 sx. plug @ 12,009) 12,052, 9595-9613 (50 sx. from 9530-9532) 9595-9613*
What is depth of the shallowest zone productive of oil or gas in this Pool 11934

What is depth of the deepest zone containing fresh water in this Pool? 300

Are there any other salt water disposal wells in this Pool using this same zone for injection purposes? No If so list operator, lease and well number.

What is the approximate volume of salt water to be injected daily? Unknown

Will system be open or closed type? Open

Will injection be by gravity or pump pressure? Both

If by pump pressure, give approximate number of pounds per square inch Unknown

Will it be necessary for water to be filtered or chemically treated? No

Is this well so cased and completed that water can enter no other formation than the above setout injection zone? Yes

* other perforations-9522-9531 (Set 15 sx. from 9532-9542) 5170-5270

1. Attach a complete full-scale electrical log of this well (one Copy to OCC only).

List names and addresses of all offset operators and surface owners.

H. H. Harris- Tatum, New Mexico
Jack Markham- Great Plains Life Bldg., Lubbock, Texas
Colorado Oil & Gas- Denver Club Bldg., Denver, Colorado

3. Have notices of this application been sent by registered mail or given to all offset operators, surface owners and to the N. M. State Engineer? Yes

4. Attach waivers from all offset operators.

5. Attach waivers from surface owners of land on which well is located or a letter from company making application to the surface owner explaining said application and requesting waiver.

6. No application will be processed until Item 1 has been attached to the application. Should all necessary waivers not accompany application, the Commission shall hold such application for a period of fifteen (15) days from date of receipt in the Santa Fe Office. If, after said fifteen (15) day period, no protest or request for hearing is received in the Santa Fe Office, the application will then be processed.

Ralph Lowe
Operator

By W.A. Taylor

THE STATE OF Texas

COUNTY OF Midland

BEFORE ME, The undersigned authority, on this day personally appeared W.A. Taylor 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.

Jim Watson

SUBSCRIBED AND SWORN TO before me, this the 30th day of December, 1957
1957.

Notary Public in and for Midland
County, Texas

December 6, 1957

Mr. Ralph Lowe
P. O. Box 832
Midland, Texas

Dear Sir:

The undersigned, the owner of an oil and gas lease covering the SW/4 of Section 32, T-11-S, R-38-E, Lea County, New Mexico, which land adjoins the Ralph Lowe-Markham State Lease, hereby agrees to your use of the Markham State No. 2, well located in the NW/4 SE/4 Section 32, T-11-S, R-38-E, Lea County, New Mexico, as a salt water disposal well and offer no objection to such use. Such salt water disposal is to be made in the lower San Andres formation perforated (5170'-5270').

Very truly yours,

Colorado Oil & Gas Corporation

By



December 6, 1957

Mr. Ralph Lowe
P. O. Box 832
Midland, Texas

Dear Sir:

The undersigned the owner of the surface covering Section 32, Township 11-South, Range 38-East, Lea County, New Mexico, hereby agrees to your use of the Ralph Lowe-Markham State No. 2 Well, located in the NW/4 SE/4 Section 32, Township 11-South, Range 38-East, Lea County, New Mexico, as a salt water disposal well and offer no objections to such use. Such salt water disposal is to be made in the lower San Andres formation perforated (5170'-5270').

Very truly yours,



H. H. Harris

HHH:

December 6, 1957

Mr. Ralph Lowe
P. O. Box 832
Midland, Texas

Dear Sir:

The undersigned the owner of an oil and gas lease covering the NE/4 Section 32, T-11-S, R-38-E, Lea County, New Mexico, which land adjoins the Ralph Lowe-Markham State Lease, hereby agrees to your use of the Markham State No. 2, well located in the NW/4 SE/4 Section 32, T-11-S, R-38-E, Lea County, New Mexico, as a salt water disposal well and offer no objection to such use. Such salt water disposal is to be made in the lower San Andres formation perforated (5170'-5270').

Very truly yours,

Jack Markham
Jack Markham



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

January 28, 1958

S. E. REYNOLDS
STATE ENGINEER

ADDRESS CORRESPONDENCE TO:
P. O. BOX 1079
SANTA FE, N. M.

File SWD-8

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

Attn. Mr. Daniel S. Nutter

Dear Mr. Nutter:

I have reviewed the application of Ralph Lowe which you so kindly furnished me. This application is numbered SWD-8 and requests permission to dispose of salt water by injection into a porous formation not productive of oil or gas, the injection zone to be between 5170 feet and 5270 feet below land surface through perforations.

This office has no objection of salt water under this application into the proposed injection zone.

Yours truly,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Division

FEI/ma
cc-F. H. Hennighausen

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE Jan. 20, 1958

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

Re: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC _____

SWD #8

Gentlemen:

I have examined the application dated _____
for the Ralph Lowe Markham State #2 32-11-38
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

There is a mistake concerning long casing string. 5 1/2" casing still in
well and is long string, not 8 5/8"-----E.J.F.

C.K.----J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION


Engineer

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

January 13, 1957

C
O
P
Y

Mr. Ralph Lowe
P. O. Box 832
Midland, Texas

Re: Application for Salt Water
Disposal - North Gladiola
Devonian Pool

Attention: Mr. W. A. Taylor

Gentlemen:

With reference to your application for a salt water disposal, please submit to this office, a plat of the area surrounding your proposed salt water disposal well in the North Gladiola Devonian Pool, showing ownership of the offsetting leases as well as the electrical log of the well and the depth to which the well will be plugged back. We will also need to know the name of the formation into which the water will be injected.

Please send a copy of your letter and plat to our Hobbs office.

Very truly yours,

DANIEL S. NUTTER
District Engineer

DSN:omg
cc: Oil Conservation Commission, Hobbs

Ralph Lowe

Phone 4-7441

Box 832

Midland, Texas

SWD-8
Jan 2-1

January 16, 1958

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

Attention: Mr. Daniel S. Nutter

Re: Application for Salt Water
Disposal - North Gladiola
Devonian Pool. Our Markham
State #2 SE/4 Sec. 32 T-11-S,
R-38-E, Lea County, New Mexico

Gentlemen:

Attached is our plat as requested, together
with electric log of this Devonian dry hole.
The well was plugged back to 5300' Injection
will be from perforation 5270-5170 "Lower San
Andres". There is no known production of oil
or gas from this formation in this area. All
producing wells are from the Devonian.

We trust the above is the desired information.

Yours very truly,

RALPH LOWE

By: _____
Agent

WAT:rm
encl.

cc: Oil Conservation Commission
Box 2045 - Hobbs, New Mexico

RALPH LOWE
"A"

JACK MARKHAM

J. R. CONE

T - 1 1 - S, R - 3 8 - E

State ✓

State ✓

H. H. Harris

2640'

RALPH LOWE

RALPH LOWE

ELLIOTT, INC.



1980'

2640'

1320'

2640'



660'

660'

Lawton-State SET STONE

Markham-State

U. S.

2640'

32 33
5 4

RALPH LOWE

SINCLAIR

RALPH LOWE & SINCLAIR

TEXAS

T - 1 2 - S, R - 3 8 - E

Adamson

Kendrick Est.

Kendrick

G. C. Copeland

I, J. F. Johnson, hereby certify above survey was made by me on the ground and that this plat is True and Correct.
March 28, 1957

RALPH LOWE

MARKHAM-STATE LEASE
SE/4 Survey 32, T-11-S, R-38-E
Lea County, New Mexico
Scale: 1" = 600'

J. F. Johnson
Licensed State Land Surveyor
Midland, Texas

