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Sept. 15, 1938

SWD-14

by the file

FOR THE UNITED STATES
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WASHINGTON, D. C.

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Drawer 5
Monmouth, New Jersey
September 22, 1938

State Oil Conservation

Commission

Monmouth

Enclosed are applications to the State Oil Conservation Commission for permission to dispose of salt water. One is for disposal of produced water into the Yates Formation in the State SW 1/4 Sec. 2 in the SW Devonian Field, Lee County, New Jersey. Location of the well is NW-SE Sec. 15, Township 14-S, Range 12-E. The other application is for permission to dispose of produced water into the San Andres Formation in the State SW 1/4 Sec. 3 in the Squaders Field, Lee County, New Jersey. Location of the well is SW-SW Sec. 3, Township 14-S, Range 12-E.

If you have no objection to the above applications, please sign the attached waivers and send to the Oil Conservation Commission.

Very truly yours,

D. C. Gage

EEB/vh

cc: Oil Conservation Commission
State Engineer

4

1. The first part of the paper discusses the importance of the study of the history of the United States.

2. The second part of the paper discusses the importance of the study of the history of the United States.

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Sept. 15, 1958
OQa

SWD-17

Make file

Letter D
Albuquerque, New Mexico
September 10, 1958

State Land Department
Santa Fe
New Mexico

Gentlemen:

Attached are applications to the State Oil Conservation Commission for permission to dispose of salt water. One is for permission to dispose of produced water into the Yates Formation in the Amerada State S^W 1/4 No. 2 in the SHP Section, Lea County, New Mexico. Location of the well is SE-34 Sec. 21 Township 9-S, Range 32-E. The other application is for permission to dispose of produced water into the Permian Formation in the Amerada State S^W 1/4 No. 5 in the Saunders Field, Lea County, New Mexico. Location of the well is SE-34 Sec. 21 Township 9-S, Range 32-E.

If you have no objection to the above applications, please sign the attached waivers and send them to the Oil Conservation Commission.

Very truly yours,

RECEIVED

cc. Oil Conservation Commission
State Engineer
File

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

MAIN OFFICE OCC

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

100
#14
Dec 9-30-58

Pool Name Saunders County Lea

Operator Amerada Petroleum Corporation

Address Drawer D - Monument, New Mexico

Lease Name State SMD Well No. 5

Depth to top of injection zone 4212'

Depth to base of injection zone 5726'

Size of surface casing 13-3/8"

Length of surface casing 297'

Number of sacks of cement used on surface casing 250

Size of long string 9-5/8"

Length of long string 4274'

Number of sacks of cement used on long string 1750

Size of tubing None Length of tubing

Depth of tubing packer setting

Name and model of packer

Is injection through tubing or long string or annulus? Long String

Is injection through perforations or open hole? Open Hole

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 11,679-89, 11,707-16, 11,732-55. Bridge plug set at 11,696', 5-1/2" casing to be pulled and cement plug set at 5726'.

What is depth of the shallowest zone productive of oil or gas in this pool? 9865'

What is depth of the deepest zone containing fresh water in this pool? 850'

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? 1500 bbls.

Will system be open or closed type? Closed

Will injection be by gravity or pump pressure? Gravity

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

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**

1. Attach a complete full-scale electrical log of this well. (one copy to OCC only.)
2. List Names and addresses of all offset operators and surface owners.

Cities Service Oil Company - Box 92, Hobbs, New Mexico

State of New Mexico Land Department, Santa Fe, New Mexico

3. Have notices of this application been sent by registered mail or given to all offset operators and to the New Mexico State Engineer? **Yes**
4. Attach waivers from all offset operators and New Mexico State Engineer.
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.

Amerada Petroleum Corporation

Operator

By J. C. Capps

THE STATE OF New Mexico

COUNTY OF Lea

BEFORE ME, The undersigned authority, on this day personally appeared D. G. Capps 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 10 day of September, 19 58.

My commission expires 8-30-61.

Donald E. Hunt
Notary Public in and for Lea
County, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Amerada Petroleum Corporation - Box 636 - Lovington, N.M.

(Address)

LEASE State S "D" WELL NO. 5 UNIT N S 3 T 15S R 33-EDATE WORK PERFORMED 2-20-57 POOL Saunders-WildcatThis is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off☐ Beginning Drilling Operations☐ Remedial Work☐ Plugging☐ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

4275' TD - Lime - Finished drilling 12-1/4" hole @ 2:30AM 2-20-57. Ran total of 101 jts of 9-5/8" OD casing set @ 4274' & cemented with 1700 sx Cement, 50% Cement and 50% Diamix w/ 2% gel & 50 sx Incor, total of 1750 sx cement. Pumped plug to 4189' w/ Max. PP 1550#. WOC and tested casing before drilling cement with 1400# Held OK for 1/2 hr. Drilled cement & plug & tested casing & hole with 1200# for 1/2 hr, Held OK. Started 8-3/4" hole 2-22-57.

Ran temperature survey and found top cement outside 9-5/8" OD casing at 1829' or 33.8% fill.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____

Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____

Perf Interval (s) _____

Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by _____

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name Orig. & 3 copies signed byName /S. R. Q. SwansonTitle E.J. Fischer EngineerPosition ForemanDate FEB 26 1957Company Amerada Petroleum Corporation