

HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY

LOVINGTON, NEW MEXICO

No. WL-452-62

LABORATORY REPORT

Date 11/2/62

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

To Skelly Oil Co.

Box 38

Hobbs, New Mex.

Date Received 11/2/62

Well & Lease M. A. Foster

Depth

Formation

Location

Field

Source Submitted By Bob Burchfield

Specific gravity 60/60 °F 1.070

Color, filtrate colorless

pH 6.0

Resistivity °F ppm (mpl)

Chlorides, Cl 59,400

Sulfates, SO4 2200

Alkalinity, HCO3 143

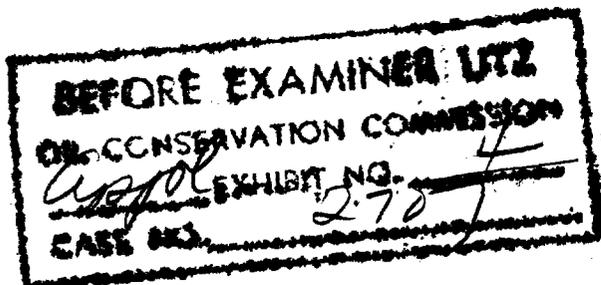
Calcium, Ca 4480

Magnesium, Mg 790

Iron, Fe slt. tr.

Sodium, Na+ 32,980

Sulfides, H2S nchl.



Remarks:

ppm equals Parts per million uncorrected or milligrams per liter.

* includes Potassium as Na.

Laboratory Analyst

Sutton

Respectfully submitted

HALLIBURTON COMPANY

By

Dave Sutton; Division Chemist

HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY
LOVINGTON, NEW MEXICO

RECEIVED NOV 15 1962

No. WL-474-62

LABORATORY REPORT

Date November 15, 1962

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

To Hearting & Englem

Box #2

Roswell, New Mexico

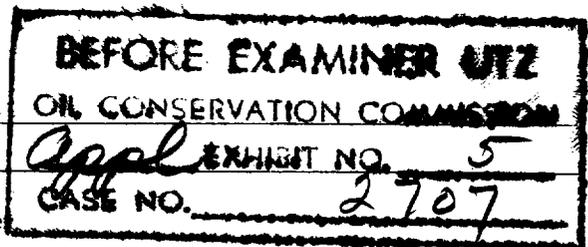
Date Received 11-15-62

Well & Lease As Marked Depth _____ Formation _____

Location _____ Field _____ Source _____

	N & I Midhurst Lease	Cities Ser. Turner D Lease	Max Pray Craig Lease
Specific gravity 60/60 °F	1.043	1.032	1.033
Color, filtrate			
pH	6.4	7.2	6.5
Resistivity °F			
	ppm (mpl)		
Chlorides, Cl	35,400	26,400	28,400
Sulfates, SO ⁴	Med (2000)	Lt (1500)	Hvy (3500+)
Alkalinity, HCO ³	500	563	544
Calcium, Ca	2,390	1,630	1,670
Magnesium, Mg	622	510	645
Iron, Fe	Negl.	Negl.	Negl.
Sodium, Na*	21,400	17,100	14,820
Sulfides, H ² S	70	Negl.	70

Remarks:



ppm equals Parts per million uncorrected or milligrams per liter

* includes Potassium as Na

Laboratory Analyst

Brewer

Respectfully submitted

HALLIBURTON COMPANY

By

Dave Sutton
Dave Sutton, Division Chemist

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

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2707
Order No. R-2387

APPLICATION OF NEARBURG AND INGRAM
FOR PERMISSION TO DISPOSE OF SALT
WATER, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on November 20, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 5th day of December, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicants, Nearburg and Ingram, are the owners and operators of the Nearburg and Ingram Keating Well No. 1, located in Unit H of Section 34, Township 12 South, Range 37 East, NMPM, Southwest Gladiola Pool, Lea County, New Mexico.

(3) That the applicants propose to utilize the said Nearburg and Ingram Keating Well No. 1 to dispose of produced salt water into the Pennsylvanian formation through 3 1/2-inch internally plastic-coated tubing installed in a packer set at approximately 9735 feet, with the injection interval from 9740 feet to 9753 feet.

(4) That, in order to protect all other formations from possible contamination, the annulus between the tubing and casing should be filled with heavy mud to the surface and the packer should be tested to assure an effective packer seal prior to injection of salt water.

-2-

CASE No. 2707
Order No. R-2387

(5) That all fresh water supplies in the vicinity of the injection well will be adequately protected from contamination by the 13 3/8-inch casing that has been set at approximately 402 feet with cement circulated to the surface and the 8 5/8-inch casing that has been set at approximately 4495 feet and cemented to approximately 1200 feet.

(6) That the water being disposed of is not suitable for either domestic or agricultural usage, and that the disposal will not impair production of oil, gas, or fresh water, nor will it impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicants, Nearburg and Ingram, are hereby authorized to dispose of produced salt water into the Pennsylvanian formation through the Nearburg and Ingram Keating Well No. 1, located in Unit H of Section 34, Township 12 South, Range 37 East, NMPM, Southwest Gladiola Pool, Lea County, New Mexico, injection to be accomplished through 3 1/2-inch internally plastic-coated tubing installed in a packer set at approximately 9735 feet with the injection interval from 9740 to 9753 feet.

PROVIDED HOWEVER, That the annulus between the casing and tubing shall be filled with heavy mud to the surface, and that the packer shall be tested to assure an effective seal prior to injection of water.

(2) That the applicants shall submit monthly reports of their disposal operations in accordance with Rules 704 and 1119 of the Commission Rules and Regulations.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


TOM BOLACK, Chairman


E. S. WALKER, Member


A. L. PORTER, Jr., Member & Secretary

