

NEW MEXICO
OIL CONSERVATION COMMISSION

Gas Well Plat

Date 3-11-54

Great Lakes Oil & Chemical Co.

Lease

4

Operator

Lease

Well No.

Name of Producing Formation Alamo Pool Alamo

No. Acres Dedicated to the Well 130

Indicate land status and show ownership.

SECTION 25 TOWNSHIP 27 N RANGE 8 W

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

Name John L. Atkins

Position Treasurer

Representing Great Lakes Oil & Chemical Company

Address 417 South Hill St., Los Angeles 13, Calif.

(over)

OIL CONSERVATION COMMISSION

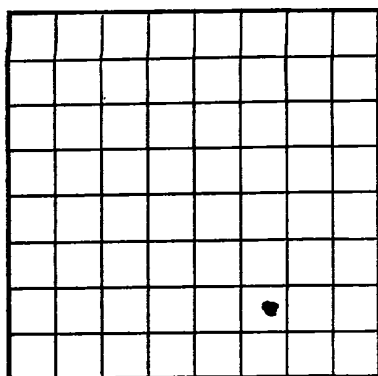
AZTEC DISTRICT OFFICE

No. Copies Received 5

DISTRIBUTION

	TO	BY
Operator	<u>2</u>	
Santa Fe	<u>1</u>	
Exploration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
Total	<u>1</u>	<u>✓</u>

RECEIVED

FEB 4 1953
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 03003
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Great Lakes Oil Chem. Co. Address 502 Mich. Nat. Bldg. Grand Rapids Mich.
Lessor or Tract Hammond Field Blanco-Largo State New Mexico
Well No. 4 Sec 25 T. 27N R. 2E Meridian N.M.P.M. County San Juan
Location 980 ft. N. of 8 Line and 1630 ft. W. of 1 Line of sec. 25 T. 27N R. 2E Elevation 5975 C.L.
(Denote floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [Signature]Date June 52 Title supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling 3-10, 19 52 Finished drilling 4-23, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2113 to 2122 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 300 to 5000 No. 3, from _____ to _____
No. 2, from 900 to 1100 No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10 3/4</u>	<u>52</u>	<u>8</u>	<u>Amoco</u>	<u>257'</u>	<u>Texas Pattern</u>				
<u>7</u>	<u>20-26</u>	<u>8</u>	<u>Amoco</u>	<u>1143'</u>	<u>Belco</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement		Method used	Mud gravity	Amount of mud used
<u>10 3/4</u>	<u>257'</u>	<u>65</u>	<u>Redi-mix</u>	<u>pump plug</u>		
<u>7</u>	<u>2113'</u>	<u>70</u>	<u>Redi-mix</u>	<u>pump plug</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			<u>455 qts</u>	<u>4/24/52</u>	<u>2124-2222</u>	<u>2185</u>

TOOLS USED

Rotary tools were used from 0 feet to 2113 feet, and from _____ feet to _____ feet
Cable tools were used from 2113 feet to 2222 feet, and from _____ feet to _____ feet

DATES

4-29, 19 52 Put to producing May 22, 19 52
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 1200 M.C.F. Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 800

EMPLOYEES

R. L. Grossman, Driller Wm. Petty, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>165</u> <u>210</u> <u>280</u> <u>1320</u> <u>1630</u> <u>1900</u> <u>2095</u> <u>2110</u>		<u>River sand</u> <u>shale</u> <u>sand and shale</u> <u>sand and shale</u> <u>soft sand and shale</u> <u>sandy shale</u> <u>coal and sand</u> <u>sand</u>
		<u>2222 TD</u>	
	<u>1430</u> <u>1900</u> <u>2110</u>	<u>TOPS</u> <u>Kirtland</u> <u>Fruitland</u> <u>Pictured Cliffs</u>	

LOG OF OIL OR GAS WELL.

LOCATE WELL CORRECTLY.

A blank sheet of white graph paper with a light gray grid pattern. The grid consists of small squares. There are approximately 10 columns and 8 rows visible. A single dark smudge or mark is present near the bottom left corner of the page.

The information given herewith is a complete and correct record of the work done during the period from _____ to _____.

Location _____ at _____ ft. [W] _____ of _____ line of _____

Well No. _____ Section _____

Owner or Trust _____ Field _____ State _____

Company _____ Address _____

The summary on this page is for the condition of the well at above date

Date _____

OTHER GAS SANDS OR ZONES

Chen et al. • Ca^{2+} and Ca^{2+} Binding to Ca^{2+}

No. 3 from	to	No. 4 from	to
No. 2 from	to	No. 7 from	to
No. 8 from	to	No. 6 from	to

IMPORTANT WATER SAVING

1. *Chlorophyll a* (Chl *a*) content was determined using a spectrophotometer (Shimadzu UV-160U) at 663 nm. The concentration of Chl *a* was calculated using the following equation: $\text{Chl } a \text{ (mg/L)} = 12.7 \times \text{OD}_{663}$.

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100-443887-1000

It is of the greatest importance to have a complete history of the well. Please state in detail the uses of reodrilling, together with the reasons for the work and its results. If there were any changes made in the casing, sand fill, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and method of rumping or bailing.

HISTORY OF OIL OR GAS WELL

[illegible]

FORMATION RECORD—Continued