

ILLEGIBLE

N. M. D. G. C. 007

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE

SERIAL NUMBER LC 026874 (F)

LEASE OR PERMIT TO PROSPECT

UNITED STATES RECEIVED
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY JUL 22 1960D. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Graridge Corporation Address Box 752 - Breckenridge, Texas
 Lessor or Tract Evarts Federal Field Red Lake State New Mexico
 Well No. 2 Sec. 33 T. 17S R. 27E Meridian NMPM and Bel. County Lea
 Location 1980 ft. N. of S. Line and 660 ft. W. of W. Line of Sec. 33 Elevation 3539'

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.

Date July 6, 1960 Title Production Clerk
 Signed Charles H. Smith

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

Commenced drilling May 29, 1960 Finished drilling June 10, 1960

OIL OR GAS SANDS OR ZONES

No. 1, from 2000 to 2017 No. 4, from 2017 to 2017
 No. 2, from 2028 to 2047 No. 5, from 2047 to 2047
 No. 3, from 2047 to 2047 No. 6, from 2047 to 2047

IMPORTANT WATER SANDS

No. 1, from unknown to 2017 No. 2, from 2017 to 2017
 No. 3, from 2017 to 2017 No. 4, from 2017 to 2017

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Pecified		Purpose
							From	To	
7"	1025	185	Plug						
4 1/2"	2051	125	Plug						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	1025	185	Plug		
4 1/2"	2051	125	Plug		

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

TOOLS USED

Rotary tools were used from 0 feet to 2051 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing July 7, 1960
 The production for the first 24 hours was 77 barrels of fluid of which 23 % was oil; _____ %
 emulsion; 77 % water; and _____ % sediment. Gravity, °Bé. 38
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

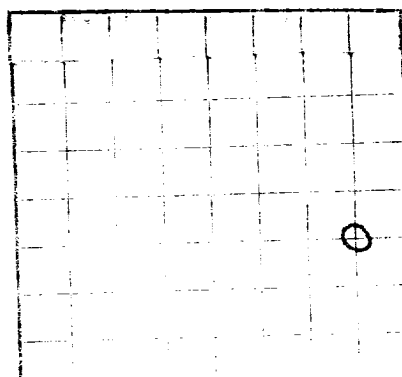
R. E. Lee _____, Driller
 George C. Hill _____, Driller
 T. V. Smith _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	495	495	Anhydrite
495	795	300	Anhydrite & Gyp
795	868	73	Anhydrite
868	2051	1183	Lime
Cored 2001' - 2051'			

LOG OF OIL OR GAS WELL

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Y. T. CHEN, CHIA-CHANG CHEN, CHIA-CHANG CHEN

CASING RECORD

Set 1025' of 7" OD 20# used casing and cemented with 185 sacks cement.

Cement circulated.

Ran 2051' of 4 1/2" OD 9 5/8 casing and cemented with 160 sacks Pos-Mix and 25 sacks Neat cement.

Perforated 4 1/2" OD casing from 2000' to 2016' with a total of 64 shots.

Swabbed casing dry and let set for 18 hours. Ran bailer and found 15' of fluid in hole (50% oil and 50% water).

Free'd well with Halliburton Equiment with treatment consisting of 10,000 gal. of 3% acid, 15,000# 20/40 sand, 30 rubber balls and 200 gal. of 15% acid, 30 rubber balls and 200 gal. of 3% acid.

Formation broke at 3000 psi. to 1400 psi. Started break down formation. Formation broke at 1 1/2 per gallon. When sand hit formation pressure increased to 800 psi. Average injection rate 36.2 bbls. Dropped 30 rubber balls and pumped 250 gal. of 15% acid on formation. Pressure increased to 2000 psi. Broke to 1400 psi. and treated at 1400 gal. average injection rate 36.5 bbls. per minute of sand in mixture of 1000 psi.

After three treatments found no further loss of material. Work was continued until approximately 50 psi. Opened well and well flowed back 75 barrels of fluid. Started swabbing well, found some sand suspended in fluid. Ran casing to 2051'. Washed out sand and gel. agent. Swabbed tubing to clean formation.

Lessor or Lessee _____

Company _____

Field _____ State _____

Address _____

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, foregoing with the reasons for the work and its results. If there were any changes made in the casing, state why, and if any casing was "sucker-acked," or left in the well, give its size and location. If the well has been dismantled, 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 results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

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MEMORANDUM FOR THE RECORD