

A blank 10x10 grid for graphing. The grid is composed of 10 columns and 10 rows of squares. The first column and the first row are highlighted with a thicker border, serving as the x and y axes. The grid is used for plotting the function $y = \sin(x)$ from $x = 0$ to $x = 2\pi$.

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF-078198**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Artec Oil & Gas Company Address P O Box 786, Farmington, New Mexico
Lessor or Tract Nye Field Artec State New Mexico
Well No. 5 Sec. 12 T. 30N R. 11W Meridian N.M.P.M. County San Juan
Location 1090 ~~xxxxx~~ ft. N of N Line and 1550 ~~xxxxx~~ ft. E of W Line of Section 12 Elevation 5942 DF

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 29, 1958** Title **District Superintendent**

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

Commenced drilling **June 28,** 19**58** Finished drilling **July 2,** 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2474 to 2540 G. 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 _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	95'	100			
5 1/2	2579'	100	Two-Plug		
1"	2527'				

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
Sand-water fraced with 67,200 gallons water and 50,000# sand. 2474 to 2540.						

TOOLS USED

Rotary tools were used from 0 feet to 2579 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Tested July 16, 1958 Put to producing July 16, 1958

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 AOE 2425 Gallons gasoline per 1,000 cu. ft. of gas _____

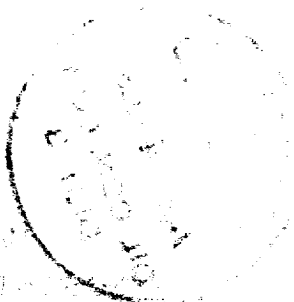
Rock pressure, lbs. per sq. in. 665

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	70	70	Surface
70	700	630	Sand and Shale
700	1397	697	Sand and Shale
1397	2220	823	Sand and Shale
2220	2485	265	Shale
2485	2579 TD	94	Sand and Shale
			Log Top: Pictured Cliffs 2474'



HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidedrilled" 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 results of pumping or bailing.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]