

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$.

U. S. LAND OFFICE - 3-12-73-

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY OF NEW ZEALAND
 DEPARTMENT OF SCIENCE AND TECHNOLOGY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming
 Lessor or Tract Tribal (Navajo) Field Horseshoe Gallup State New Mexico
 Well No. 16 Sec. 31 T. 31N R. 16W Meridian NMPM County San Juan
 Location 1900 ft. [N] of 8 Line and 640 ft. [E] of 8 Line of Sec. 31 Elevation 925 GL
 (Derrick door relative to 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.

Date **12-1-58** Title **District Clerk**

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

Commenced drilling 11-16-58, 1958 Finished drilling 11-20-58, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1128 to 1162 No. 4, from _____ to _____
No. 2, from 1216 to 1224 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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	100.90	115	pump-plug	9.0	
5 1/2	1300.73	130	pump-plug	9.0	

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 _____ feet to _____ feet, and from _____ feet to _____ feet.

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

DATES

-----**12-2-58**-----, 19----- Put to producing -----**11-21-58**-----, 19-----

The production of the first 24 hours was _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. 100 41.0 0

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1098		Mancoes
1098	1266		Callup
1266			Juana Lopez
Treated perforations 1216-1224 with 12,000# 10/20 sand and 10,500 gals lease crude. Average treating pressure 1800# at 33.1%.			

