

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 $y = \sin x$ for $0 \leq x \leq 2\pi$.

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DIS. 3
DEPART

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078910**
LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PERMIT TO PROSPECT -----
 RECEIVED
 INTERIOR
 NOV 20 1962
 U. S. GEOLOGICAL SURVEY
 FARMINGTON, NEW MEXICO
 GUNDEL

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
 Lessor or Tract Lindrith Unit Field So. Blanco P. C. State New Mexico
 Well No. 43 Sec. 31 T. 24N R. 2W Meridian N.M.P.M. County Rio Arriba
 Location 1650 ft. XX of N Line and 990 ft. EX of W Line of Section 31 Elevation 7209
 (Derrick 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. ORIGINAL SIGNED H.E. McANALLY
Signed _____

Date **November 20, 1962** Title **Petroleum Engineer**

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

Commenced drilling 5-3- 19 62 Finished drilling 5-7- 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>3003</u> to <u>3108 (G)</u>	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. 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"	134	130	circulated		
2 7/8"	258	115	single		

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
Perf 3130-3136; 3118	3124	Free w/38	508 gallons water, 35,000#	sand. I.R. 20.5	NE	
BFM Max pr 3300#	BDP 1800#	tr pr 2600-3300#	Flush w/2100	gallons water.	Dropped	
1 set of 18 balls.						

TOOLS USED

Rotary tools were used from 0 feet to 3258 feet, and from _____ feet to _____ feet

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

DATES

-----~~5-30~~-----, 19-~~62~~ Put to producing -----, 19-----

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 7,124,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ~~984~~ ⁹⁹⁴ ~~chg.~~ **A.O.F.** 16,333 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2788	2788	Tan to gry cr-grn ss interbedded w/gry sh.
2788	2888	100	Ojo Alamo ss. White cr-grn s.
2888	3003	115	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3003	3108	105	Fruitland form. Gry carb sh, scattered coals, ss coals and gry, tight, finegrn ss.
3108	3258	150	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.

[illegible]

FORMATION

TOTAL FEET

—01.

—FROM—