

A 10x10 grid with the number 17 in the center. The grid is composed of 10 columns and 10 rows. The number 17 is located in the 5th column and 5th row from the top-left corner. There is a small black dot in the 1st column and 5th row.

U. S. LAND OFFICE -----
SERIAL NUMBER -----
LEASE OR PERMIT TO PROSPECT -----
14-20-603-585

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 18 1968

U. S. GEOLOGICAL SURVEY
NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Murphy Corporation Address 200 Jefferson Avenue-El Dorado, Ark.
Lessor or Tract Navajo "AA" Field Wildcat State New Mexico
Well No. 4 Sec. 17 T. 32N R. 17W Meridian _____ County San Juan
Location 2310 ft. N. of N Line and 330 ft. E. of W Line of Section 17 Elevation 5653' GL
(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.

Date December 12, 1963

Title Prod. Supt. - Direct Operations

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

Commenced drilling June 28, 1963 Finished drilling July 2, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Continue page 1)

No. 1, from <u>1739'</u> to <u>1748'</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"	19'	10	Displacement		
5 1/2"	1,794'	60	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
90 gram	Jet		8		1743-47'	
Crack-Jets			16		1743-47'	
Notched	at				1743'	

TOOLS USED

Rotary tools were used from _____ feet to 1794 feet, and from _____ feet to _____ feet.

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

DATES

December 12, 1963 Put to producing December 12, 1963

The production for the first 24 hours was 5.00 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. _____

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

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

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1739'	1748'	9	Lower Gallup

