

A 10x10 grid with a point labeled 'x' at the intersection of the 4th column and 8th row, and the number '13' at the intersection of the 3rd column and 5th row.



U. S. LAND OFFICE Santa Fe, N.M.
SERIAL NUMBER SF 073064
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

1900

U. S. GEOLOGICAL SURVEY
WASHINGTON, D. C. 20508

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address P. O. Box 158, Farmington, N.M.
Lessor or Tract Federal - Carson Unit Field Eisti State New Mexico
Well No. 31-13 Sec. 13 T25N R12W Meridian N.M.P.M. County San Juan
Location 660 ft. N. of N. Line and 1280 ft. E. of L. Line of Sec. 13 Elevation 6370 ft.
(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 February 24, 1966 Title Exploitation Engineer

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

Commenced drilling January 3, 1960 Finished drilling January 9, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by *G*)

gross No. 1, from <u>4378</u> to <u>4968</u> No. 2, from _____ to _____ No. 3, from _____ to _____	No. 4, from _____ to _____ No. 5, from _____ to _____ No. 6, from _____ to _____
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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
3-5/8"	111	100	displacement	-	-
4-1/2"	5024	150	"	-	-

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 5025 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

DATES

February 23, 1960 Put to producing February 6, 1960

The production for the first 24 hours was 36 barrels of fluid of which 98.8 % was oil; ----- % emulsion; ----- % water; and 1.2 % sediment. Gravity 80° Bé. approx. 10° API

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

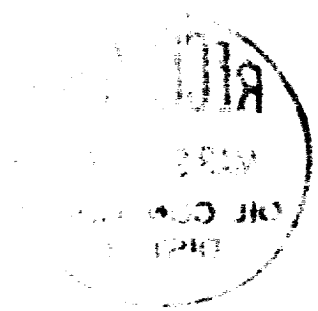
Rock pressure, lbs. per sq. in. -----

EMPLOYEES Brinkerhoff Drilling Company

_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1197	1390		Pictured Cliffs
1390	1556		Lewis
1556	2029		Cliff House
2029	3695		Allison-Menefee
3695	3853		Point Lookout
3853	4770		Mancos
4770	-		Gallup



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 "sidetracked" 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.

HISTORY OF OIL OR GAS WELL