

A 10x10 grid with a small 'x' mark in the 4th column and 5th row.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 030168 (a)
LEASE OR PERMIT TO PROSPECT Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 66, Hobbs, New Mexico
Lessor or Tract J. S. Eaves A-19 Field Eaves State New Mexico
Well No. 5 Sec. 19 T. 26S R. 37E Meridian N.M.P.M. County Lea
Location 1980 ft. N. Ex of S Line and 1980 ft. E. W of W Line of Sec. 19-26S-37E Elevation 2956
(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.

Signed _____ A. B. Owen

Date March 29, 1949 Title District Superintendent

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

Commenced drilling February 12, 1949, 1949 Finished drilling February 23, 1949

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3198 to 3204 No. 4, from _____ to _____
 No. 2, from 3207 to 3213 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
7-5/8	1228'	500	HOWCO. CO.		
5-1/2	3219'	600	HOWCO. CO.		

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 3220 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 27, 1949, 19 Put to producing February 27, 1949, 19

The production for the first 24 hours was 792 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 30 degrees

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

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

EMPLOYEES

-----Guy Ramsey-----	, Driller	-----J. W. Dyer-----	, Driller
-----Cliff Thompson-----	, Driller	-----Billy G. Congleton-----	, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	Sand and caliche
60	260	200	sand, caliche and red bed
260	370	110	red bed.
370	470	100	Sand and Redbed
470	1077	607	Sand, Redbed and shells
1077	1153	76	Redbed and shells
1153	1215	62	Redbed, sand and shells
1215	1270	55	Anhydrite
1270	1635	365	Salt
1635	2547	1012	Salt and anhydrite
2547	2685	38	Anhydrite
2685	3220	535	Lime

FORMATION RECORD—Continued[illegible]

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 "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.

CIVIL SERVICE

Well was drilled to total depth of 3220' in lime.
Well was not shot.
Well was acidized with 500 gallons.
Gasing was perforated 3194-3204' with 24 shots, 3207-3213' with 24 shots.
Completed for initial potential of 792 barrels oil, no water in 24 hours, based on 5 hour test of 105 barrels oil, no water, flowing through 3/4" choke on 2" tubing, with 917 MCF gas, GOR-1158, casing pressure 400#, tubing pressure 100#.
Allowable: 47 barrels oil daily effective 3-1-49.
Gravity of oil: 30 degrees.
Pipe line connections; Texas-New Mexico Pipe line Co.
Derrick floor: 10' above ground.
Date total depth reached: 2-23-49.
Date completed test: 2-27-49

Copies to: Orig & 2 - U.S.G.S. Hobbs, N.M.
Stanolind- Hobbs 4
Atlantic Refining Co. Midland
Standard of Texas- Midland
HLJ HM District Foreman
File

Figure 1 displays a 10x10 grid of 100 small plots, each representing a spatial location. The grid is labeled with 'x' and 'y' coordinates from 0 to 9. The plots show varying densities and patterns of individuals, representing the spatial distribution of a population. The distribution is non-uniform, with higher densities in certain areas and lower densities in others.