

Indian Agency:
Navajo Loc. No. 1-89-IND-57

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 27 1962

PRIOR CON. COM.
 DIST. 3

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address P. O. Box 3312, Durango, Colorado
 Lessor or Tract Navajo Field Table Mesa State New Mexico
 Well No. 25 Sec. 34 T. 28N R. 17W Meridian NMPM County San Juan
 Location 1980 ft. {N. of S. Line and 1980 ft. {E. of W. Line of Sec. 34 Elevation 5341'
 (Depth 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 _____ **ALFRED VAN MATRE**
Date **September 26, 1962** Title **District Engineer**

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

Commenced drilling ----- **May 22** -----, 19 **62** Finished drilling ----- **May 24** -----, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1415 to 1456 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. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Slac casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 1/2	1415'	300	Displacement		

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 1415 feet, and from _____ feet to _____ feet
Cable tools were used from 1415 feet to 1456 feet, and from _____ feet to _____ feet

DATES

May 24, 1962

The production for the first 24 hours was 1420 barrels of fluid of which 0 % was oil; 0 % emulsion; 100 % 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 ~~Signal Drilling Co. - Rotary~~, Driller
-----, Driller ~~Signal Drilling Co. - Cable Tool~~ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1415	1456	41'	Dakota
		Total Depth - 1456'	

[OVER]

16-43094-5

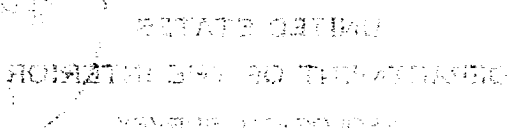


Figure 1 is a 3D plot showing the relationship between the number of species (S) and the number of individuals (N) for 1000 random samples. The plot shows a positive correlation between S and N , with a shaded region indicating the confidence interval. The axes are labeled 'Number of species' and 'Number of individuals'.

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 pings 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

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