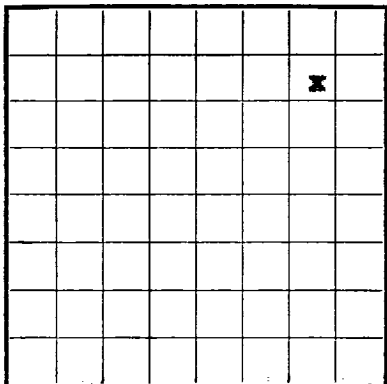




U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 03553
LEASE OR PERMIT TO PROSPECT Breech "D"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Cauldins Oil Company Address Box 780, Farmington, New Mexico
Lessor or Tract Breech "D" Field South Blanco State New Mexico
Well No. D-140 Sec. 11 T. 26N R. 6W Meridian NM County Rio Arriba
Location 990 ft. S. of N. Line and 990 ft. E. of E. Line of Section 11 Elevation 6588 CL
(Denote 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 Charles C. Quinn

Date August 4, 1960 Title Production oreman

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

Commenced drilling January 3, 19 60 Finished drilling February 7, 19 60

TOPS OF OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from Irishland to 2940 No. 4, from Point Lookout to 5308
No. 2, from Pictured Cliffs to 3092 No. 5, from Tocito to 6812
No. 3, from Cliff House to 4772 No. 6, from Graneros to 7283
Dakota - 7408

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"	22.75	8	H-40	252'	Reg.				Surface
8 1/2"	17.5	8	J-55	990.8'	Reg.				Production
8 1/2"	17.5	8	J-55	6607.4'	Reg.				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	252'	200	Plug		
8 1/2"	3092'	198	Plug		
8 1/2"	5308'	350	Plug		
8 1/2"	7700'	330	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

TOOLS USED

Rotary tools were used from _____ feet to 7700' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

* Waiting on Pipeline

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Top Soil & Shells
40	252	212	Shale & Shells
252	1000	748	Sand & Shale
1000	1180	180	Shale
1180	7317	6137	Sand & Shale
7317	7700	383	Sand, Lime & Shale

FORMATION TOPS:

Irishland	2940
Pictured Cliffs	3092
Cliff House	4772
Point Lookout	5308
Tocito	6812
Graneros	7283
Dakota	7408

Orig & Acc: USGS
cc: A.H.
International
FOG
SON
Lille

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 his size and location. If the well has been dynamited, give date, size, position, and number of shots. If pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or burning.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

DATES			
1991	to 1991	Apple tools were used from	1991
1991	to 1991	Apple tools were used from	1991

2374

It was cut on 6 inch 84 inches			
enough to get 84 inches and 7 feet			
The production for the first 84 inches was			
Put in good trip			

33750 18947

FORMATION RECORD

[illegible]

FORMATION RECORD—Continued

Figure 1 is a line graph illustrating the percentage of the total sample for various age groups across different years. The y-axis represents the percentage of the total sample, ranging from 0 to 100. The x-axis represents the years, from 1970 to 2020. The age groups are: 0-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, and 75+. The graph shows a clear trend of aging, with the 0-14 group decreasing from about 20% in 1970 to near 0% in 2020, and the 65-74 and 75+ groups increasing significantly over time.

Year	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
1970	20	15	15	15	15	10	5	5
1980	15	15	15	15	15	10	10	5
1990	10	15	15	15	15	15	15	5
2000	5	15	15	15	15	20	20	10
2010	0	15	15	15	15	25	25	20
2020	0	15	15	15	15	30	25	15