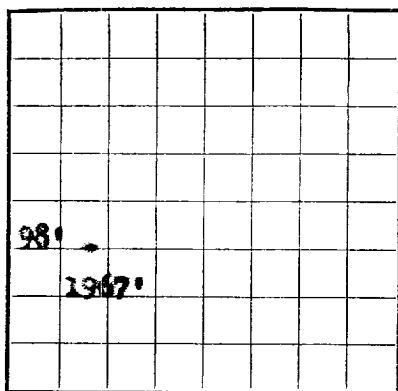


U. S. LAND OFFICE -----

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT -----
14-20-600-3530

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Company Address Box 197 Farmington, N. M.
Lessor or Tract Many Rocks project Field Many Rocks Gallup State N. M.
Well No. 3 Sec. 7 T. 31N R. 16E Meridian NMPN County San Juan
Location 1967 ft. N of 3 Line and 981 ft. E of 16 Line of Sec. 7 Elevation 5749 ft.

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 B. J. S. H. H. H.

Date 9-23-64 Title Drilling Production exp.

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

Commenced drilling 8-2, 1964 Finished drilling 8-9, 1964

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1689 to 1695 No. 4, from 1696 to 1702

No. 2, from _____ to _____ No. 5, from _____

No. 3, 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
8 5/8	65'	6.5	plug & plug		Cement circulated
4 1/2	1738'	150	plug & plug	8.6	30 bbl ahead

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material----- Size -----

SHOOTING RECORD

[illegible]

TOOLS USED

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

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

DATES

-----, 1964 Put to producing -----, 1964

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. _____

EMPLOYEES

~~Joe Turner~~ ~~William~~ ~~Co.~~ _____, Driller _____, Driller

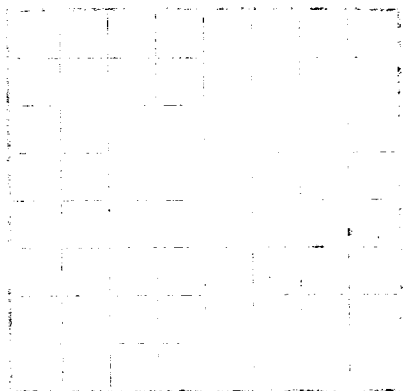
_____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
Surface	240	240	Mesa Verde
240	1532	1292	Kancon
1532	1700	168	Gallup (Niobrara)
			Upper Gallup 1566
			Lower Gallup 1689
1700	1745 TD	45	Juana Lopez (Carlile member)

LOG OF OIL OR GAS WELL

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 "struck" or left in the well, give its size and location. If the well has been dynamited, give date, position, and results of pumping or bailing 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.

OIL OR GAS BANDS OR ZONES

IMMEDIATELY UNDER BANDS

CASINO RECORD

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 "struck" or left in the well, give its size and location. If the well has been dynamited, give date, position, and results of pumping or bailing 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

FORMATION RECORD—Continued			
FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD			
EMPHASES			
DATES			
TOOKS USED			
PLUGS AND BRIDGES			
MUDGING AND CEMENTING RECORD			

FORMATION RECORD			
EMPHASES			
DATES			
TOOKS USED			
PLUGS AND BRIDGES			
MUDGING AND CEMENTING RECORD			