

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

14-20-600-3531

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ETHNOLOGICAL SURVEY
OF MEXICO AND CENTRAL AMERICA

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Atlantic Refining Co. Address Box 520, Camper, Wyoming
 Lessor or Tract Navajo Ute Mtn Tribal Field Hermeshee Gallup State New Mexico
Navajo B
 Well No. 23 Sec. 20 T. 31N R. 16W Meridian NMNM County San Juan
 Location 615 ft. $\left. \begin{smallmatrix} \text{N.} \\ \text{of} \end{smallmatrix} \right\}$ of S. Line and 2110 ft. $\left. \begin{smallmatrix} \text{W.} \\ \text{of} \end{smallmatrix} \right\}$ of E. Line of Sec. 20 Elevation 5553 SL

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

Date **6-29-59**

Title District Clerk

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

Commenced drilling 6-10-59, 1959 Finished drilling 6-12-59, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1385 to 1391 No. 4, from _____ to _____
 No. 2, from 1395 to 1402 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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 3/8	102.61	115	pump-plug	8.7	
4 1/2	1455.24	150	pump-plug	8.9	

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 1460 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6-29-59 19 Put to producing 6-27-59 19
 after lead oil recovered after fracture treatment
 The production for the first 24 hours was 52.52 barrels of fluid of which 100% was oil; %
 emulsion; % water; and 12% sediment. Gravity. °Bé. 41.0

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

_____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1350		Mancos
1350	1460		Gallup
First Fracture Treatment			
Treated perforations 1385-1391 and 1395-1402 with 100,000# 10/20 sand and 29,756 gals lease crude. Average treating pressure 1600# at 41 BPM			
FROM-	TO-	TOTAL FEET	FORMATION

[OVER]

FORWALION RECORD-Continued

1A-43094-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

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

Commenced drilling _____ 10-1-67
Finished drilling _____ 10-1-67

(Deputy: 057 04 6)

..... to from %	 to from %
..... to from %	 to from %
..... to from %	 to from %

..... to from No. 8

..... to from No. 4

[illegible]

16-58094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]