

U. S. LAND OFFICE **Tribal Land**
SERIAL NUMBER **Navajo-Ute Mtn.**
LEASE OR PERMIT TO PROSPECT
14-20-604-1951UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **The Atlantic Refining Co.** Address **Box 2197, Farmington, N.M.**
Lessor or Tract **Navajo-Ute Mtn. Tribal** Field **Horseshoe Gallup Unit** **NEW MEXICO**
Well No. **4-W** Sec. **34** T. **31N** R. **16W** Meridian **NMPM** County **San Juan**
Location **2390** ft. **N.** of **S** Line and **738** ft. **W.** of **E** Line of **Sec. 34** Elevation **5379**
(Derrek 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 **B. J. Sartin**Date **February 25, 1963**Title **Drilling & Production Supv.**

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

Commenced drilling **11-03**, 19 **62** Finished drilling **11-10**, 19 **63**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1236** to **1268** 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 **1870** to **2057** No. 3, from _____ to _____
No. 2, from **2256** to **2738** 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	12.75	8	CR	97.90	Guide	Surface	2258	20, 2356-182	Surface
7	7.75	8	CR	2775.20	2 1/2	2588-98, 2610-52, 2712-38	2588	2524-40	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	97.90	100	Pump & Plug		Cement circulated
7	2775.20	100 + 8 1/2 gal	Pump & Plug		
		130 + 4 1/2 gal			

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 **Surface** feet to **2794 T.D.** 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. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1203	1203	Mancos Sh
1203	1374	171	Gallup (Niobrara)
1236	1268	32	Upper Horseshoe sandstone (Niobrara)
1374	1750	376	Carlile
1374	1425	51	Juana Lopez member of the Carlile
1750	1815	65	Greenhorn
1815	1870	55	Grancros
1870	2122	252	Dakota
2122	2797 TD	675+	Morrison

Effective May 3, 1966, The Atlantic
Refining Company changed its name to
Atlantic Richfield Company

