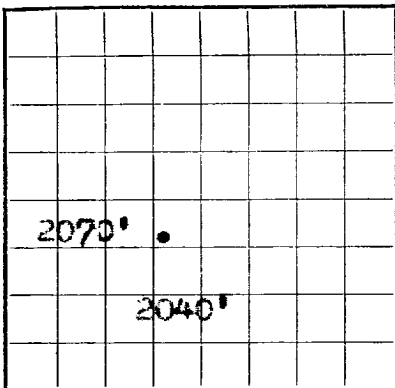


U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT
14-20-600-3531UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

WATER INJECTION
LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 2197, Farmington, N. M.
Lessor or Tract Many Rocks Gallup Proj. Field Many Rocks State New Mexico
Well No. 22 Sec. 17 T. 31N R. 16W Meridian NM&M County San Juan
Location 2040 ft. N of 3 Line and 2070 ft. E of 2 Line of Sec. 17 Elevation 5625'
(Derrick 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. SastineDate August 11, 1964Title Drig. Prod. Supv.

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

Commenced drilling 6/1, 19 64 Finished drilling 6/9, 19 64

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1511 to 1518 No. 4, from 1511 to 1518
No. 2, from 1641 to 1643 No. 5, from 1641 to 1643
No. 3, from 1641 to 1643 No. 6, from 1641 to 1643

IMPORTANT WATER SANDS

No. 1, from 1511 to 1518 No. 3, from 1511 to 1518
No. 2, from 1641 to 1643 No. 4, from 1641 to 1643

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	26.4	8	22.47	1511	1518	Surface	1511	1518	Surface
4 1/2	9.3	8	1701.06	1641	1643	Production	1641	1643	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	102.37	35	Pump & Plug	8.6	Cement circ.
4 1/2	1706.64	135	"	"	Annulus full

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
acidized w/500	gal.	acid	in each zone	on 7/23/64.		

TOOLS USED

Rotary tools were used from Surface feet to 1745 feet, and from _____ feet to _____ feetCable tools were used from None 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

Van R. Turner Drig. Co., Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	230	230	Mesa Verde
230	1491	1161	Mancos
1491	1650	159	Niobrara
			Upper Gallup 1511-1518
			Lower Gallup 1641-1643
1650	1745 P.D.	95	Carlile (Juana Lopez)

"Effective May 2, 1963, The Atlantic Refining Company changed its name to Atlantic Richfield Company"

