Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT 14-20-600-3531

RECEIVED MAR 8 1963 OIL CON. COM.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address P. O. Box 2197, Farmington, N.M.
Lessor or Tract Navajo Field N. Horseshoe State New Mexico
Well No. ~~31-16~~ 18-1 Sec. 18 T. 31N R. 16W Meridian NMPM County San Juan
Location 360 ft. ~~N.~~ S. of N Line and 855 ft. ~~E.~~ W. of E Line of Section 18 Elevation 5684
(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 Santiere

Date March 5, 1963 Title Drlg & Prod. Supv.

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

Commenced drilling 2-2-63, 19 Finished drilling 2-4-63, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 1653 to 1658 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 None 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 From—	Perforated To—	Purpose
8 5/8	28	8	J & L	86.73	Guide				Surface
4 1/2	9.5	8	J & L	1719.22	Float		1653	1658	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	98.58	85	Pump & Plug		Cement Circulated
4 1/2	1729.72	125	Pump & Plug		Annulus filled with crude oil

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
Sand-Oil-Frature - Gallup sd., 1653-1658 with 15,000# 10/20 sand and 308 bbl lease crude on 2-?-63.						

TOOLS USED

Rotary tools were used from Surface feet to 1734 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 2-22-63, 19

The production for the first 24 hours was 19 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 41.5

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Whigham Drlg. Co., Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	150 est	150 Test	Point Lookout fm.
150 est	1493	1343 est	Mancos Shale
1493	1660	167	Gallup (Niobrara)
1653	1660	7	Lower Gallup (Basal Niobrara)
1660	1690	30	Juana Lopez member of Carlile fm
1690	1734 T.D.	44' +	Carlile Shale

FOLD MARK

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

10—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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 its size and location. If the well has been dynamited, give date, size, position, and number 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.