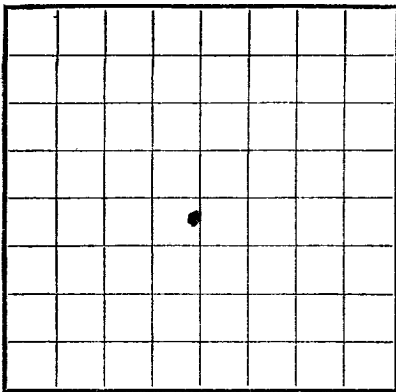
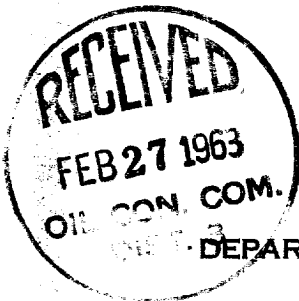




LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER Navajo Tribal
LEASE OR PERMIT TO PROSPECT
14-20-603-2022UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FEB 20 1963

LOG OF OIL OR GAS WELL
GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICOCompany Atlantic Refining Company Address Box 2197 Farmington, N.M.
Lessor or Tract Horseshoe Gallup UNIT (Navajo) Field Horseshoe Gallup State New Mexico
Well No. 74 Sec. 14 T. 33N R. 17W Meridian NMPM County San Juan
Location 2250 ft. N. of 8 Line and 2630 ft. E. of W Line of Section 14 Elevation 5709
(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. SartinDate 2-25-63Title Drilling & Production Supv.

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

Commenced drilling 12-11-62, 19____ Finished drilling 12-15-62, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1212 to 1233 No. 4, from _____ to _____
No. 2, from 1318 to 1344 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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		Purpose
							From—	To—	
8 5/8	26.5	8	Smith	65.5	Ball	1212	1318	1344	Water
4 1/2	11.8	8	Smith	13.0	Ball	1344	1318	1344	Water
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	70.96	50 + 2% Gail	Pump & Plug		Cement Circulated
4 1/2	1441.80	80 + 2% Gail	Pump & Plug	8.9#/gal	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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from Surface feet to 1460 TD 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 _____

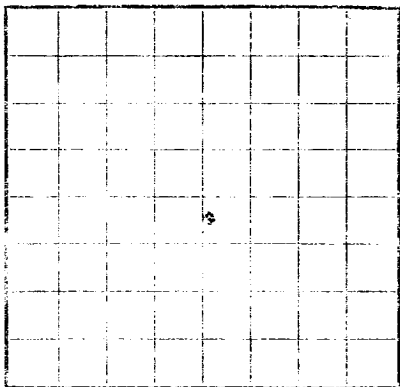
Rock pressure lbs. per sq. in. _____

FOLD | MARK

U. S. LAND OFFICE
SERIAL NUMBER 11-20-10022
LEASE OR PERMIT TO PROSPECT
11-20-10022

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Atlantic Refining Company
Address Box 2187
Field Horseshoe-Gallup (Navajo) State New Mexico
Well No. 24 Sec. 14 T. 31N R. 12W Meridian
Location 2350 ft. N. of 2 line and 260 ft. E. of 2 line of section 14
Elevation 5000
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 R. J. Johnston

Date 1-25-42
Title Logging & Production Survey
The summary on this page is for the condition of the well at above date.
Commenced drilling 1-11-42
Finished drilling 1-15-42

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1375 to 1385
No. 2, from 1385 to 1395
No. 3, from 1395 to 1405
No. 4, from 1405 to 1415

IMPORTANT WATER SANDS

No. 1, from 1415 to 1425
No. 2, from 1425 to 1435
No. 3, from 1435 to 1445
No. 4, from 1445 to 1455

CASING RECORD

Size casing per foot	Weight per foot	Threads per inch	Makes	Amount	Kind of shoe	Cut and pulled from	Performed From To	Purpose
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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of logging, together with the reasons for the work and its results. Changes made in the casing, size, position, and depth, and the reasons therefor, should be recorded. If the well has been dynamited, give date, size, position, and depth of shot. 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

MUDDING AND CEMENTING RECORD

Size casing	Water set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 1/2	10.00	20 + 24 gal	Pump & plug	8.25/gal	Cement 100 lbs
2 1/2	10.00	20 + 24 gal	Pump & plug	8.25/gal	Cement 100 lbs

PLUGS AND ADAPTERS

Heaving plug—Material
Adapters—Material
Length
Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
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TOOLS USED

Rotary tools were used from feet to feet
Cable tools were used from feet to feet
Surface
Line to

DATES

If gas well, cu. ft. per 24 hours
The production for the first 24 hours was
% water; and % sediment
% was oil; % was oil
Gravity, °Bé.
Gallons gasoline per 1,000 cu. ft. of gas
Put to producing 1-15-42