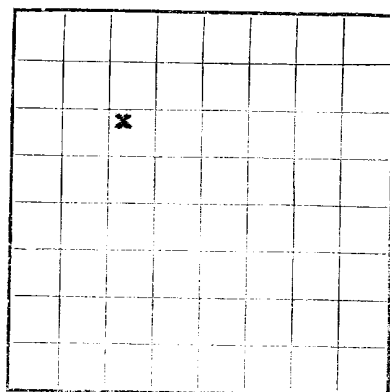


U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **MM-03817-B**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED UNITED STATES
DEPARTMENT OF THE INTERIOR
JUN 2 - 1964 GEOLOGICAL SURVEY

O. C. C.
ARTESIA OFFICE

LOG OF OIL OR GAS WELL

Company Redfern Development Corporation ✓ Address P. O. Box 1747, Midland, Texas 79701
Lessor or Tract Shell Federal "A" Field Wildcat State New Mexico
Well No. 1-21 Sec. 21 T. 23S R. 24E Meridian NMPM County Eddy
Location 1650 ft. Box of N Line and 1650 ft. E of W Line of section Elevation 4084 CL

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

Frank W. Podpachan

Geologist

Date May 28, 1964

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

Commenced drilling 3-31-, 19 64 Finished drilling 5-2- 19 64

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ 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 415 to 435 No. 3, from 680 to 700 ?
No. 2, from 488 to 520 No. 4, from _____ to _____

CA\$ING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	625	-	Hydraulic pump	9.0	15 sac

PLUGS AND ADAPTERS

Heaving plug--Material ----- Length ----- Depth set -----

Adapters—Material..... Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from ----- **0** ----- feet to **1230** ----- 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. °Ré _____

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

EMPLOYEES

_____ **A. M. Russel, Sr.** _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
0	310	310	Seven Rivers
310	1210	900	Queen-Grayburg - San Andres
1210	1230	20	Cherry Canyon (Delaware Group)

[OVER]

FROM	TO	DATE	TIME	LOCATION

--OL

TOTAL

NOTATION

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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.

subject well drilled 15" hole to 600 feet then set 10-3/4" pipe and cased with 15
 gal. drilled pipe to ID of 1750 feet. No commercial shows of oil or gas. Two
 barrels of fresh water per hour @ 415 feet. 400 feet of water in hole @ 488 feet.
 Additional water @ 680 feet with 700 feet of water in hole @ ID. The well was
 plugged and abandoned with the following cement plugs:

10' plus @ surface.
500 - 450'
700 - 650'
1230 - 1155'

One joint on No-3/4" pipe was set temporarily at the surface of the hole.

Copy to 37.

[illegible][illegible]

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ARTESIA, NEW MEXICO

ARTESIA OFFICE

... (continued) that it is not... I should not mention... (The following information may be excluded.)