Form 9-330

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ARTESIA, OFFICE

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC-029390 (a)
LEASE OR PERMIT TO PROSPECT

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MAY 16 1962
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Copy to SF

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address Box 2167, Hobbs, New Mexico
Lessor or Tract Federal Kachane et al "B" Field Shugart State New Mexico
Well No. 2 Sec. 28 T. 18-S R. 31-E Meridian NMPM County Eddy
Location 660' ft. N. of W Line and 1980' ft. W. of W Line of 28, 18-S, 31-E Elevation 3630
(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 ORIGINAL SIGNED BY Z. C. BALLINGER
Date May 14, 1962 Title Area Petroleum Engineer

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

Commenced drilling March 9, 1962 Finished drilling March 19, 1962

OIL OR GAS SANDS OR ZONES
(*Denote gas by G*)

No. 1, from 3286 to 3611 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 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"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
4-1/2"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3286	3611	Casing pipe [illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	265	160	Pump & Plug		
4-1/2"	3645	600	Pump & Plug		

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 0 feet to 3650 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 14, 1962, 1962 Put to producing May 10, 1962

The production for the first 24 hours was 22 barrels of fluid of which 36 % was oil; % emulsion; 64 % water; and % sediment.

Gravity, °Bé. 31.5

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	35		Sand
	648		Red Bed
	748		Red Bed & Anhy.
	1915		Anhy & Salt
	2135		Anhy
	2750		Anhy & Gyp.
	2903		Anhy, Gyp & Lime
	2988		Lime & Anhy
	3650		Lime

[OVER]

16—48094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			DEVIATIONS - TOTCO SURVEYS
			1/4 - 250
			1 - 740
			1 - 1130
			1-1/4 - 1500
			2-1/4 - 1900
			2 - 2270
			3/4 - 2500

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 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.

Acidized with 850 gals 15% NE Acid and Frac'd with 20,000 gals 24 gvty refined oil with 1/40# Adomite M-11 per gal and 2.5 - # SPG

GEOLOGICAL TOPS

Anhydrite	557'
Yates	2190'
7-Rivers	2535'
Queen	3260'