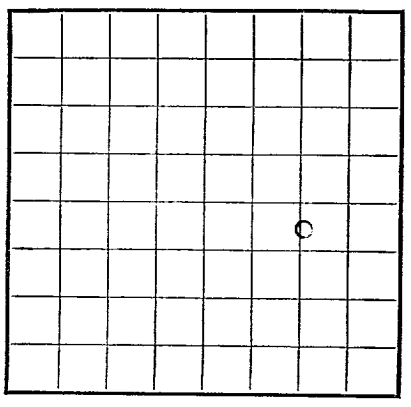
Form 9-330

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

U. S. LAND OFFICE LC
SERIAL NUMBER 064900
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Union Oil Company of California Address 619 West Texas Ave., Midland, Texas

Lessor or Tract So. Caprock Queen Unit, Tr. 6 Field Caprock Queen State New Mexico

Well No 9-17 Sec. 17 T. 15-S R. 31-E Meridian NMPM County Chaves

Location 2310 ft. {N./S} of S Line and 1300 ft. {E./W.} of E Line of Section 17 Elevation 4437'
(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 C. W. Dixon

Date July 19, 1963 Title Production Clerk

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

Commenced drilling July 4, 1963 Finished drilling July 8, 1963

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3148 to 3168 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"	24#	8R	CF&I	305.52	Plain				Surface
4-1/2"	9.5#	8R	CF&I	3195.37	Guide		3152	3160	Injection

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	316.92	175	P & P		
4-1/2"	3205.27	300	P & P		

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 3205 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to Injection July 12, 1963

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

____, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	357'	357'	Caliche, Sand & shale
357'	1353'	996'	Red beds & sand
1353'	1433'	80'	Anhydrite
1433'	2353'	920'	Salt & anhydrite
2353'	3148'	795'	Sand, anhydrite & salt
3148'	3168'	20'	Sand
3168'	3205'	37'	Anhydrite & sand

GEOLOGIC TOPS FROM I-ES LOG

Red beds	357'
Rustler	1353'
Salado salt	1433'
Yates	2353'
Queen	3148'

FOLD MARK

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—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.

CORE #1: 3144-74'. Recovered 21' Grey-black sand and 7' shaley anhydrite with red sand streaks.

Acidized perfs. 3152-60' with 500 gals. reg. acid with NE & LST additives at 1600-2000# at 4.5 bbls./min.