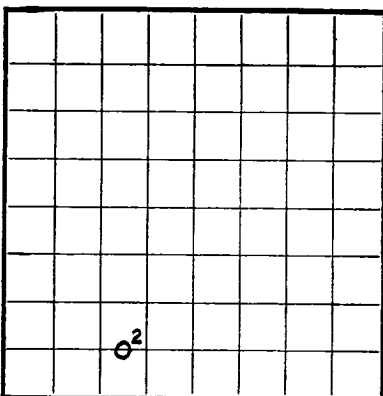


COPY TO O. C. C.

Get Bureau No. 42-R355.4.
Approval expires 12-31-60.U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **LC 030678 (a)**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

MAY 25 1959

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **C. E. LONG** Address **5 Ezell Building Midland, Texas**
Lessor or Tract **Sinclair-Federal lease** Field **Unice-Monument** State **New Mexico**
Well No. **2** Sec. **21** T. **19-S** R. **37-E** Meridian **NMPM** County **Lea**
Location **660** ft. **S.** of **S** Line and **1650** ft. **E.** of **W** Line of **Section 21** Elevation **3643'**
(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. E. Long*Date **May 14, 1959**Title **Owner**

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

Commenced drilling **April 21**, 19**59** Finished drilling **May 1**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3590'** to **3623' G** No. 4, from **3698'** to **3708' G**
No. 2, from **3634'** to **3666' G** No. 5, from **3861'** to **3883' Oil**
No. 3, from **3674'** to **3687' G** No. 6, from _____ to _____

IMPORTANT WATER SANDS None Identified

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"	24 lb.	8	C&I	302'	Texas	-----	---	---	Surface
4 1/2"	9 3/4 lb.	8	Halliburton	3895'	---	---	---	---	Production
HIPLOKA OIL OR GAS SANDS									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	312'	200	Pump		
4 1/2"	3908'	900	Pump		

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 **Surface** feet to **3909** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 14, 19**59** Put to producing **May 10**, 19**59**
The production for the first 24 hours was **44** barrels of fluid of which **100** % was oil; **No** %
emulsion; **No** % water; and **No** % sediment. Gravity, °Bé. **38**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES (Forster Drilling Co., Odessa, Tex.)

J. E. Bracken, Driller **V. J. Marburger**, Driller
B. L. Gore, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	75'	75	Surface rock
75'	1373'	1298	Red Beds
1373'	2518'	1145	Anhydrite & salt
2518'	3567'	1049	Anhydrite, some sand, and gypsum
3567'	3909'	342	Anhydrite, dolomite and sand.

GEOLOGIC TOPS from Gamma Ray Log:

Rustler.....	1362'	Queen.....	3451'
Yates.....	2633'	Penrose.....	3569'
Seven Rivers....	2884'	Grayburg....	3826'

LOG OF OIL OR GAS WELL

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GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Continued drilling _____ 1952 _____
The summary on this page is for the condition of the well at above date.

No. 1 from 3522	to 3523	No. 4 from 3524	to 3525
No. 2 from 3524	to 3525	No. 5 from 3526	to 3527
No. 3 from 3527	to 3528	No. 6 from 3529	to 3530

No. 1, from to
 No. 2, from to
 No. 3, from to
 No. 4, from to

Weight per foot	Threads per inch	Yards	Amount	Kind of shoe	Cost and kind of form	Form	To -	Purpose
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16-48084-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MIDDING AND CEMENTING RECORD

Year	Where set	Number sacks of cement	Mortar used	Kind of brick	Amount of mortar
1907	318	500	1000	1000	1000
1908	1000	1000	1000	1000	1000

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heaving plug—Material			

SHOOTING RECORD

[illegible]

Q32U 2100T

(b) Tools were used from _____ foot to _____ foot and from _____ foot to _____ foot.

DATE

It was well over 11.00 hours when the emulsion; the water; and the sediment. The production for the first 2 hours was	But we were not in the position of which we were at 10.00
---	--

EMPLOYEES

[illegible]

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	17	18	CLAY
17	18	19	CLAY
18	19	20	CLAY
19	20	21	CLAY
20	21	22	CLAY
21	22	23	CLAY
22	23	24	CLAY
23	24	25	CLAY

FORMATION RECORD—Continued