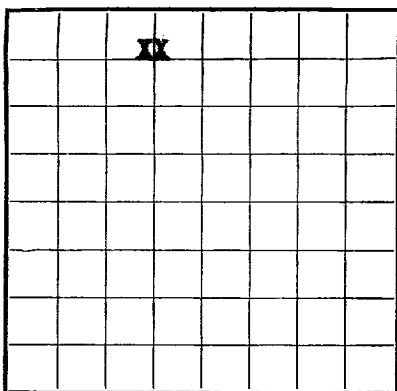


U. S. LAND OFFICE
SERIAL NUMBER **LC-064900**
LEASE OR PERMIT TO PROSPECT

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 Avenue, Midland, Texas**
Lessor or Tract **Federal-Medlin** Field **So. Dickey Queen** State **New Mexico**
Well No. **3-17** Sec. **17** T. **15 S** R. **31 E** Meridian **N.M.P.M.** County **Chaves**
Location **660** ft. **200** of **N** Line and **1980** ft. **E** of **W** Line of **Section 17** Elevation **4452**
(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 **W. D. Owens**Date **May 26, 1955** Title **Ass't Div. Engineer**

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

Commenced drilling **May 11, 1955** Finished drilling **May 17, 1955**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3104** to **3118** 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 **N** to _____ No. 3, from _____ to _____
No. 2, from **O** to _____ No. 4, from _____ to _____
E

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#	8 R T	C F & I	304.55	Guide	-	-	-	Surface
5-1/2	14#	8 R T	C F & I	2213.00	-	-	-	-	841

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	318.55	175 of 4% gel	P & P		
5-1/2	3123.00	200 of 4% gel and	"		
		200 cu. ft. of			
		Strata-Crete			

PLUGS AND ADAPTERS

Heaving plug—Material **N** Length _____ Depth set _____Adapters—Material **O** Size _____**E**

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		N				
		O				
		N				

E

TOOLS USED

Rotary tools were used from **0** feet to **3124** feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was **432** barrels of fluid of which **99.8** % was oil; **55** %
emulsion; _____ % water; and **0.2** % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas **34° API**

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. J. Vaught, Driller **W. T. Bowden**, Driller**Chas. Pickering**, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	260	260	Sand and caliche
260	1341	1081	Red beds
1341	1440	99	Anhydrite
1440	2185	745	Salt
2185	2312	127	Anhydrite
2312	2480	168	Sand
2480	3100	620	Anhydrite
3100	3124	24	Sand

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

The summary on this page is for the condition of the well as shown.

Date: 07/26/2011 Time: 09:00 AM

THBT

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Completed drilling 98.0%
Finished delivery 100.0%

NO. 100-443887-100

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No. 1 from _____ to _____	No. 4 from _____ to _____
No. 2 from _____ to _____	No. 5 from _____ to _____
No. 3 from _____ to _____	No. 6 from _____ to _____

IMPORTANT WATER SAVING

.....	of	month 3.0%		of	month 3.0%
.....	of	month 4.0%		of	month 3.0%

CASING RECORD

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.

Size of casing, in inches	Weight per foot	Thickness per inch	Steel	Amount	Kind of shoe	Feet and pulled from	Feet	Purposes

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

HISTORY OF OIL OR GAS WELL

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

NUDDING AND CEMENTING RECORD

Case No.	Where lost	Number sacks of cement	Method used	Findings	Amount of cement used
10	1000 ft. below surface	1000	1000	1000	1000
11	1000 ft. below surface	1000	1000	1000	1000
12	1000 ft. below surface	1000	1000	1000	1000
13	1000 ft. below surface	1000	1000	1000	1000
14	1000 ft. below surface	1000	1000	1000	1000
15	1000 ft. below surface	1000	1000	1000	1000
16	1000 ft. below surface	1000	1000	1000	1000
17	1000 ft. below surface	1000	1000	1000	1000
18	1000 ft. below surface	1000	1000	1000	1000
19	1000 ft. below surface	1000	1000	1000	1000
20	1000 ft. below surface	1000	1000	1000	1000

PLUGS AND ADAPTERS

Having the Material	Length	Depth and
Width	Size	

SHOOTING RECORD

[illegible]

Q32U 2.100T

1961	on land	most were dead	on land	most were grown
1962	on land	most were dead	on land	most were grown

DATA

[illegible]

EMPLOYEES

Driver	Driver	Driver	Driver
Driver	Driver	Driver	Driver

FORMATION RECORD

[illegible]